

JVC

SERVICE MANUAL

PDP COLOUR TELEVISION

PD-42D30ES

BASIC CHASSIS

MK

InterArt



Speaker

D.I.S.T.
Digital Image Scaling Technology

T-V LINK

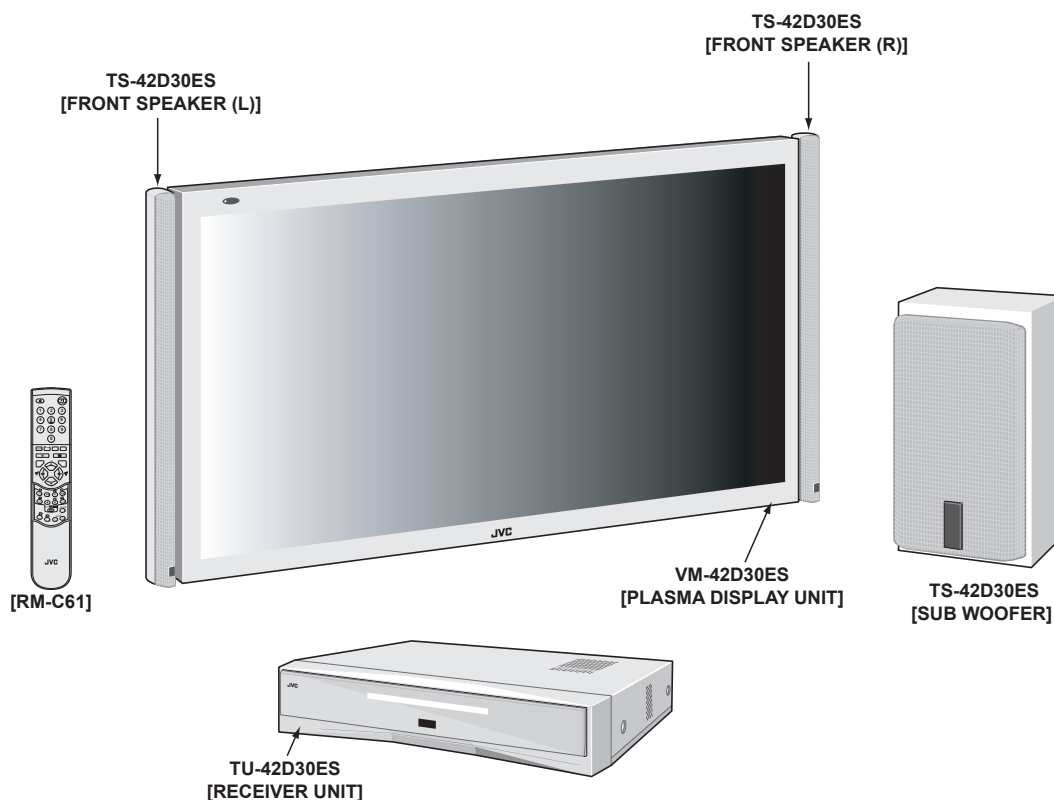


TABLE OF CONTENTS

1	PRECAUTIONS	1-4
2	SPECIFIC SERVICE INSTRUCTIONS	1-8
3	ADJUSTMENTS	1-21
4	TROUBLE SHOOTING	1-48

SPECIFICATION

Item		Contents
Dimensions (W x H x D)	Plasma display unit	103.5cm x 64.0cm x 9.8cm (without Front speaker) 112.3cm x 64.0cm x 9.8cm (with Front speaker)
	Receiver unit	43.5cm x 9.9cm x 38.2cm
	Front speaker	4.2cm x 63.9cm x 5.4cm
	Sub woofer	43.5cm x 23.0cm x 12.6cm
Mass	Plasma display unit	33.0kg (without Front speaker) 35.5kg (with Front speaker)
	Receiver unit	5.6kg
	Front speaker	0.8kg (per one speaker without attachment bracket)
	Sub woofer	3.7kg
TV RF System		CCIR B/G, I, D/K, L
Colour System		PAL / SECAM / NTSC • The external terminals also support the NTSC 3.58/4.43 MHz system.
Stereo System		A2 (B/G, D/K), NICAM (B/G, I, D/K)
Teletext System		FLOF (Fastext), TOP, WST (World Standard System)
Receiving Frequency	VHF	47MHz ~ 470MHz
	UHF	470MHz ~ 862MHz
	CATV	116MHz ~ 172MHz, 220MHz ~ 469MHz
Intermediate Frequency	VIF	38.9MHz (B / G, D / K, I)
	SIF	33.4MHz (5.5MHz: B/G) / 32.9MHz (6.0MHz: I) / 32.4MHz (6.5MHz: D/K) / 40.45MHz (6.5MHz :L)
Colour Sub Carrier	PAL	4.43MHz
	SECAM	4.40625MHz / 4.25MHz
	NTSC	3.58MHz / 4.43MHz
Power Input		AC110V ~ AC240V, 50Hz / 60Hz
Power Consumption	Plasma display unit	Operate: 338W, Stand by: 0.5W
	Receiver unit	Operate: 35W, Stand by: 2.4W
Plasma Display Panel (PDP)		△QLE0020-002 42-inch wide aspect (16:9)
Screen Size		Viewable area 105.7cm (measured diagonally) W: 92.1cm x H: 51.8cm
Display Pixels		Horizontal: 1024 dots x Vertical: 768 dots [XGA]
Audio Output		Front: 10W+10W, Sub woofer: 15W
Speaker	Front speaker	9.5cm x 1cm square x 2, Direct Drive system
	Sub woofer (for bass sound)	16cm Round x 1
Aerial Input (VHF/UHF)		75 ohm Unbalanced coaxial
External terminal	EXT-1 (Input/Output)	21 pin Euro connector (SCART socket) • Video input, Audio L/R inputs and RGB inputs are available. • TV broadcast outputs (Video and Audio L/R) are available.
	EXT-2 (Input/Output)	21 pin Euro connector (SCART socket) • Video input, S-video (Y/C) input, Audio L/R inputs and RGB inputs are available. • Video and Audio L/R outputs are available. • T-V LINK functions are available.
	EXT-3 (Input/Output)	21 pin Euro connector (SCART socket) • Video input, S-Video (Y/C) input and Audio L/R inputs are available.
	EXT-4 (Input)	COMPONENT VIDEO RCA pin jack x 3 Y: 1V(p-p), Positive (Negative sync provided), 75 ohm Pb/Pr: 0.7V(p-p), 75 ohm • Progressive-scanning signals (625p or 525p) are available.
	EXT-5 (Input)	AUDIO 500mV (rms), High impedance RCA pin jack x 2
		S-VIDEO Mini-DiN 4 pin x 1 Y: 1V(p-p), Positive (Negative sync provided), 75 ohm C: 0.286V(p-p) (Burst signal), 75 ohm
	VIDEO	1V(p-p), Positive (Negative sync provided), 75 ohm RCA pin jack x 1
		AUDIO 500mV(rms), Low impedance RCA pin jack x 2
	AUDIO OUT (Fixed)	500mV(rms), Low impedance RCA pin jack x 2
Headphone		3.5mm Stereo mini jack x 1
Display Input / Output Terminal (For system cable)		Control / Audio: 24-pin D-sub connector Video: 26pin DVI-D connector
Speaker Terminal		Front speaker: 6 ohm Max. output 10W Subwoofer: 4 ohm Max. output 15W
Remote Control Unit		RM-C61-1C (battery: R03 / UM-4 x 2)

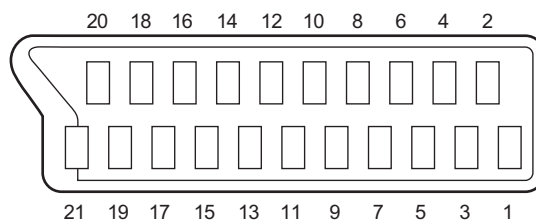
Design and specifications subject to change without notice.

21-pin Euro connector (SCART) : EXT-1/EXT-2/EXT-3

PinNo.	Signal Designation	Matching Value	EXT-1	EXT-2	EXT-3
1	AUDIO R output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)	NC
2	AUDIO R input	500mV(rms) (Nominal), High impedance	Used	Used	Used
3	AUDIO L output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)	Not used
4	AUDIO GND		Used	Used	Used
5	GND (B)		Used	Used	Used
6	AUDIO L input	500mV(rms) (Nominal), High impedance	Used	Used	Used
7	B input	700mV _(B-W) , 75 ohm	Used	Used	Not used
8	FUNCTION SW (SLOW SW)	Low : 0V-3V, High : 8V-12V, High impedance	Used	Used	Used
9	GND (G)		Used	Used	Used
10	SCL / T-V LINK		Not used	Used (SCL2/TV-LINK)	Used (SCL3)
11	G input	700mV _(B-W) , 75 ohm	Used	Used	Not used
12	SDA		Not used	Used(SDA2)	Used(SDA3)
13	GND (R)		Used	Used	Used
14	GND (YS)		Used	Not used	Not used
15	R / C input	R : 700mV _(B-W) , 75 ohm C : 300mV _(P-P) , 75 ohm	Used (R)	Used (C2/R)	Used (C3)
16	Ys input (FAST SW)	Low : 0V-0.4V, High : 1V-3V, 75 ohm	Used	Used	Not used
17	GND (VIDEO output)		Used	Used	Used
18	GND (VIDEO input)		Used	Used	Used
19	VIDEO output	1V _(P-P) (Negative going sync), 75 ohm	Used (TV OUT)	Used (LINE OUT)	Not used
20	VIDEO / Y input	1V _(P-P) (Negative going sync), 75 ohm	Used	Used	Used
21	COMMON GND		Used	Used	Used

(P-P= Peak to Peak, B-W= Blanking to white peak)

[Pin assignment]



SECTION 1 PRECAUTIONS

1.1 SAFETY PRECAUTIONS [EXCEPT FOR UK]

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (Δ) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- (4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (\perp) side GND, the ISOLATED (NEUTRAL) : (\equiv) side GND and EARTH : (\oplus) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.).
If above note will not be kept, a fuse or any parts will be broken.
- (5) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).
- (6) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
- (7) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection,

by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10k Ω 2W resistor to the anode button.

- (8) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced.
Always use the manufacturer's replacement components.

(9) Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/ audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) Dielectric Strength Test

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)

This method of test requires a test equipment not generally found in the service trade.

b) Leakage Current Check

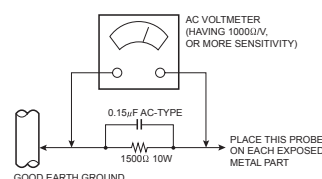
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a 1500 ohm 10W resistor paralleled by a 0.15 μ F AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



1.2 SAFETY PRECAUTIONS [FOR UK]

- (1) The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessary be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (▲) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may cause shock, fire, or other hazards.
- (4) The leads in the products are routed and dressed with ties, clamps, tubing's, barriers and the like to be separated from live parts, high temperature parts, moving parts and / or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

WARNING

- (1) The equipment has been designed and manufactured to meet international safety standards.
- (2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
- (3) Repairs must be made in accordance with the relevant safety standards.
- (4) It is essential that safety critical components are replaced by approved parts.
- (5) If mains voltage selector is provided, check setting for local voltage.

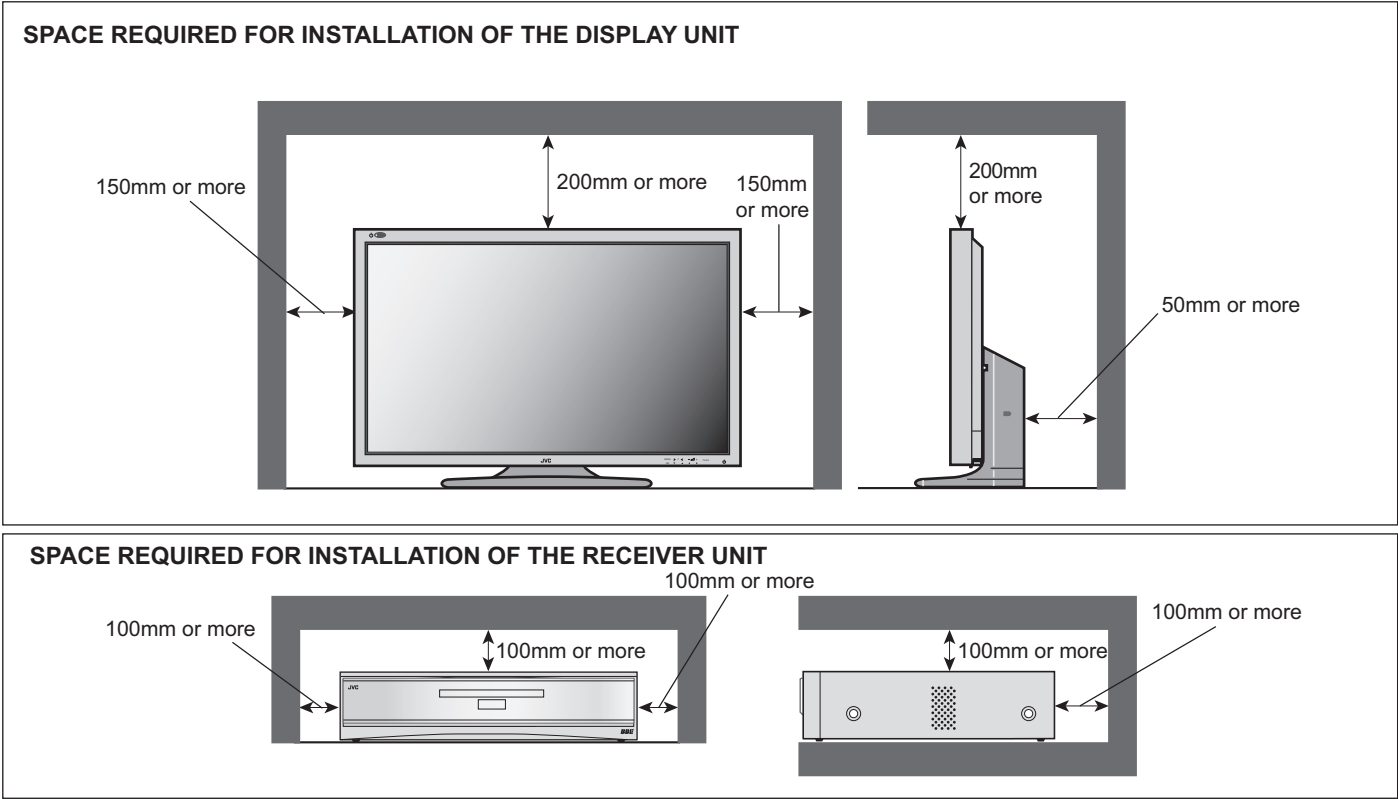
1.3 INSTALLATION

1.3.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically. Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.

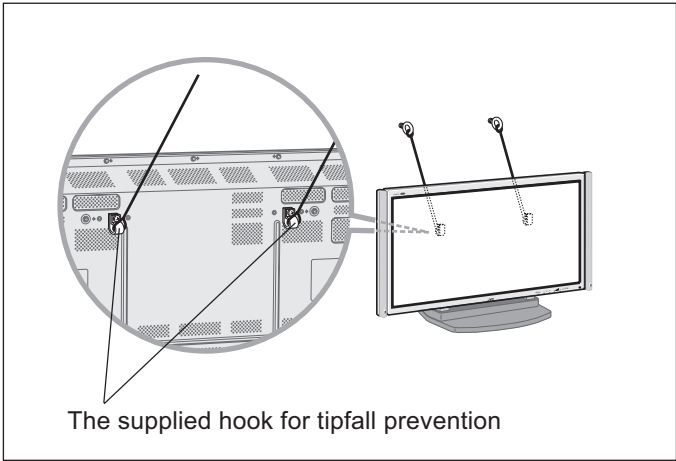
1.3.2 INSTALLATION REQUIREMENTS

Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc.
Install the unit on stable flooring or stands.
Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.



1.3.3 FALL TIP PREVENTION MEASURES

Take precautionary measures to prevent the unit from falling or tipping to protect against emergencies such as earthquakes as well as accidents.
Fasten the supplied hook for tip fall prevention using the screws, also supplied, behind the display unit, and use them together with durable cords (to be purchased separately) to secure the unit to a robust part such as the wall surface or pillars.



1.4 PRECAUTIONS REGARDING PDP

1.4.1 PRECAUTIONS DURING NOTES FOR TRANSPORTATION

When transporting the display unit, pressure exerted on the internal PDP (Pplasma Ddisplay Ppanel) due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention prior to delivery such as through explaining the handling instructions to transporters. Ensure that the following requirements are met during transportation, as the PDP of this unit is made of glass and therefore fragile:

- (1) Avoid vibrations and impacts
The unit may be broken if it is toppled sideways even when properly packed. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.
- (2) Do not place equipment horizontally
Ensure that it is placed upright and not horizontally during transportation and storage as the PDP is very vulnerable to lateral impacts and may break easily under such circumstances.
During transportation, ensure that the unit is loaded along the traveling direction of travel of the vehicle, and avoid stacking them on one another.
For storage, ensure that they are stacked in 2 layers or less even when placed upright.

1.4.2 RESIDUAL IMAGE / BURN-IN ON SCREEN

Like CRTs, "burn-in" may occur when a same image is continuously displayed over an extended period of time.

As this may also shorten the life span of the PDP. Therefore, turn off the display when not in use, scroll the screen, make use of screen-savers, or allow even distribution on the display by inverting the brightness, switching to complementary colors or inserting animated images at periodic intervals.

As burn-in is more likely to occur with high brightness and contrast settings, try to use neutral gradations or medium tone colors.

Burn-in does not occur in the case of animated images.

When switching to another image after continuous display of the previous image, residual images may become prominent, as luminance in a part of the display is higher than the other parts. This is not a defect but is because due to the discharge surface of the lighted portion has become being relatively activated and its luminance higher than the unlighted parts.

1.4.3 INFRARED RAYS

Near Near-infrared rays (800nm to 1000nm) are emitted from the front of the panel, and this may give rise to glitches cause malfunctions in infrared remote controls or communication systems placed near it. In this case, avoid direct infrared rays (and reflected rays in some cases) from the screen by either changing the direction of the unit or other infrared systems or securing a longer keeping a distance from the screen.

1.4.4 OPTICAL FILER (PANEL FILTER)

Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and color.

Clean the filter surface by wiping it softly lightly with outing flannels a soft and lightly fuzz cloth (such as flannel).

Do not use solvents such as benzine or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off.

As the filter surface is fragile., Do not scratch or hit it with hard materials.

1.4.5 NOTES PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (back REAR COVER, FRONT PANEL, optical filter)

- Do not exert pressure on the front of the PDP (glass surface).
- Pay careful attention not to scratch or stain the front of the PDP (surface) with hands.
- When replacing exterior parts, the front of the PDP should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front surface. However, never use materials that are too soft (such as blanket cloth). If replacement is made with the PDP surface facing downward and in contact with the blanket, pressure may be exerted on the PDP, thus causing damages to it.

SECTION 2

SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

HIGH-DEFINITION IMAGE TECHNOLOGY (DIST), High Quality Sound Technology (DD)

DIST (Digital Image Scaling Technology)	Employs an interpolation method that doubles the scanning lines to realize 768-line flicker-free picture making it especially suitable for reproducing high-resolution pictures even on large-screen displays.
DD (Direct Drive)	Acoustic device that is accomplished through the interfacing of computer simulation and the acoustic technology that we have developed over the years. Attain wide and spontaneous acoustic field, real normal sound images that allows enjoyment of the realistic sensation of reserved seats, from any audience seats.

2.1.1 MAIN FUNCTION

DIGITAL VNR	The DIGITAL VNR function cuts down the amount of noise in original picture. There are three function settings of AUTO, MIN and MAX.
Super DigiPure	This function uses the latest technology to give viewer a natural looking picture. It consist of DigiPure and picture motion compensation function.
MOVIE THEATRE	This function displays a cinema film picture more smoothly and naturally on the screen.
COLOUR MANAGEMENT	This function ensures dull colours are compensated to produce natural hues.
Sleep Timer	Setting for situations such as falling asleep while watching TV, and for prevention against forgetting to turn off the TV. The power supply of the TV will be cut off automatically when the time exceeds the set up timing (maximum 2 hours).
3D SOUND function	This function makes the speaker sounds like in a wider ambience.
Teletext function	The teletext broadcast can be viewed and the teletext pages can be stored in memory.
T-V LINK function	This function make a VCR could automatically download the data or image from the TV, and turn on the TV to view the image when it playing.

2.1.2 ASPECT CONTROL

The screen size can be changed according to the picture aspect ratio.

ZOOM function	Desired screen size (AUTO/REGULAR / PANORAMIC / 14:9 ZOOM / 16:9 ZOOM / 16:9 ZOOM SUBTITLE / FULL) can be selected.
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2.1.3 MULTI-SCREEN FUNCTION

Twin-pictures / PIP function	With the function, two pictures can be displayed at the same time (Twin pictures mode and Picture in picture mode).
Multi-picture function	With this function, one of multi-picture (12 pictures and 4 pictures) can be displayed at the same time.
Freeze function	The images that are currently seen can be viewed on the memo screen (still picture). It is convenient for taking down notes like application address and recipe of cooking program etc, while enjoying the current program.

2.2 TECHNICAL INFORMATION

2.2.1 PDP STRUCTURE AND CHARACTERISTIC

This unit (Display Unit) uses the flat type panel PDP (Plasma Display Panel), instead of the conventional CRT (Cathode Ray Tube), as a display unit.

2.2.2 PIXEL (CELL) ARRAY

PDP is constructed by sealing the xenon, which emits neon and ultraviolet rays for discharging purpose, in between the electrodes lay on the front glass substrate and rear glass substrate.

One pixel is composed of 3 RGB cells, with cell pitch of 0.299mm (1 pixel 0.897mm) horizontally and 0.675mm vertically.

The cell is arrayed in each RGB color as shown in Fig. 1. One pixel is formed by interlacing each RGB color cell.

One cell size is 0.299mm horizontally and 0.675mm vertically.

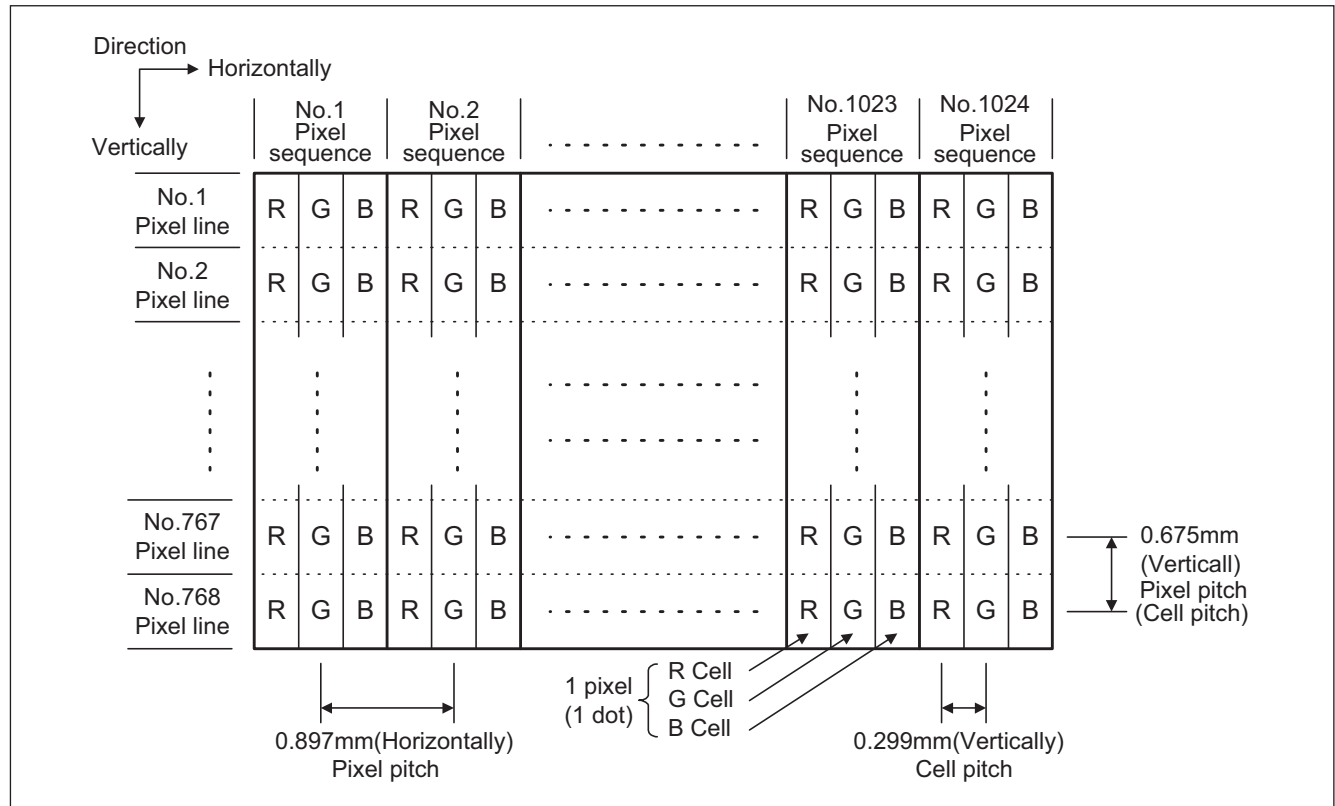


Fig.1

2.2.3 PIXEL DEFECTS

Though PDP is made by means of ultra precise technology, there are cases whereby not all pixels (cell) will function properly. In some cases, there may be defective pixels that do not light at all or the ones that always light on.

There are 2 types of Pixel defects, [Bright Dot Defects] and [Dark Dot Defects], as defined respectively in the following:

(1) Bright Dot Defects

Bright dot defect is a pixel cell that lights or blinks though it should not light.

The presence of bright dot defects can be confirmed by inputting a full black signal (pattern).

(2) Dark Dot Defects

Dark dot defect is a pixel cell that does not light, blinks, or lights twice as brightly as the pixel cell should light, though it should light.

The presence of dark dot defects can be confirmed by inputting a 100% full white signal (pattern).

2.3 MAIN CPU FUNCTIONAL TABLE (RECEIVER UNIT)

Pin No.	Terminal Name	Port Name	I/O	Remark
1	TCK	TCK	I	
2	TMS	TMS	I	
3	TDI	TDI	I	
4	TDO	TDO	O	
5	REMOCON	P2.8	I/O	
6	KEY1	P2.9	I/O	
7	KEY2	P2.10 (NOR/INST)	I/O	
8	KEY3	P2.11	I/O	
9	TV_LINK	P2.12	I/O	
10	POWER	P2.13	I/O	
11	PROTECT	P2.14	I/O	
12	POWERG	P2.15	I/O	
13	VSS33	VSS33	I	GND
14	VDD33	VDD33	I	3.3V
15	TV_LINK OUT	P4.5	O	
16	A20	A20	O	
17	A19	A19	O	
18	A18	A18	O	
19	A17	A17	O	
20	VSS25	VSS25	I	GND
21	VDD25	VDD25	I	2.5V
22	A16	A16	O	
23	A8	A8	O	
24	A7	A7	O	
25	A9	A9	O	
26	A6	A6	O	
27	A5	A5	O	
28	A10	A10	O	
29	A11	A11	O	
30	A12	A12	O	
31	VSS33	VSS33	I	GND
32	VDD33	VDD33	I	3.3V
33	A4	A4	O	
34	A3	A3	O	
35	A2	A2	O	
36	A1	A1	O	
37	A0	A0	O	
38	A13	A13	O	
39	A14	RAS/A14	O	
40	A15	CAS/A15	O	
41	VSS33	VSS33	I	GND
42	VDD33	VDD33	I	3.3V
43	CLK	MEMCLK	O	
44	CSSDRAM	CSSDRAM	O	
45	CKE	CLKEN	O	
46	CSROM	CSROM	O	
47	RD	RD	O	
48	UDQM	UDQM	O	
49	LDQM	LDQM	O	
50	WR	WR	O	
51	D15	D15	I/O	
52	VSS33	VSS33	I	GND
53	VDD33	VDD33	I	3.3V
54	D7	D7	I/O	
55	D0	D0	I/O	
56	D14	D14	I/O	
57	D8	D8	I/O	
58	D6	D6	I/O	
59	D1	D1	I/O	
60	VSS33	VSS33	I	GND
61	VDD33	VDD33	I	3.3V
62	D13	D13	I/O	
63	D9	D9	I/O	
64	D5	D5	I/O	

Pin No.	Terminal Name	Port Name	I/O	Remark
65	D2	D2	I/O	
66	D12	D12	I/O	
67	D10	D10	I/O	
68	VSS33	VSS33	I	GND
69	VDD33	VDD33	I	3.3V
70	D4	D4	I/O	
71	D3	D3	I/O	
72	D11	D11	I/O	
73	RESET-IN	RSTIN	I	
74	SCL0	P3.0	I/O	
75	SDA0	P3.1	I/O	
76		P3.2	I/O	
77	PIX_CLK	P3.3	I/O	
78	AMP_MUTE	P3.4	I/O	
79	AUDIO_MUTE	P3.5	I/O	
80	READY	P3.6	I/O	
81	STATUS	P3.7	I/O	
82	DATA	P3.8	I/O	
83	CLK	P3.9	I/O	
84	VSS33	VSS33	I	GND
85	VDD33	VDD33	I	3.3V
86	VSS25	VSS25	I	GND
87	VDD25	VDD25	I	2.5V
88	TXD0	TXD0	I/O	
89	RXD0	RXD0	I/O	
90	IE-MUTE	P3.12	I/O	
91	AA_SDA	P3.13	I/O	
92	AA_SCL	P3.15	I/O	
93	YS2	P5.14(YS2)	I/O	
94	HP_DET	P5.15	I/O	
95	NC	TRIG_IN	I/O	
96	NC	TRIG_OUT	I/O	
97	IIC_FREE	P6.2	I/O	
98	SCL1	P6.3	I/O	
99	SCA1	P6.4	I/O	
100	MSP_RESET	P6.5	I/O	
101	SDA2	P6.6	I/O	
102	VSYN	VSYN	O	
103	HSYN	HSYN	O	
104	NC	COR/RSTOUT	O	
105	YS	BLANK	O	
106	VDD33	VDD33	I	3.3V
107	VSS33	VSS33	I	GND
108	XTAL1	XTAL1	I	
109	XTAL2	XTAL2	O	
110	VSSA	VSSA	I	GND
111	VSSD	VDDA	I	
112	R	R	O	
113	G	G	O	
114	B	B	I	
115	VSSA	VSSA	I	GND
116	VSSD	VDDA	I	2.5V
117	CVBS2A	CVBS2	I	
118	VSSA	VSSA	I	GND
119	VDDA	VDDA	I	
120	CVBS1B	CVBS1B	I	
121	CVBS1A	CVBS1A	I	
122	VSSA	VSSA	I	GND
123	VDDA	VDDA	I	2.5V
124	AFC1	P5.0	I	
125	AFC2	P5.1	I	
126	AGC	P5.2	I	
127	KEYP2	P5.3(KEYP2)	I	
128	TMODE	TMODE	I	

2.4 DISASSEMBLY PROCEDURE [DISPLAY UNIT]

Caution:

- When exchanging parts etc. with the front side (PDP side) facing down, please place a protection sheet below before starting, so as to prevent scratches on the front side.

2.4.1 REMOVING THE REAR COVER (Fig.1)

- Remove the power cord / system cable / speaker cord.
- Remove the 19 screws [A] and the 6 screws [B], and remove the REAR COVER.

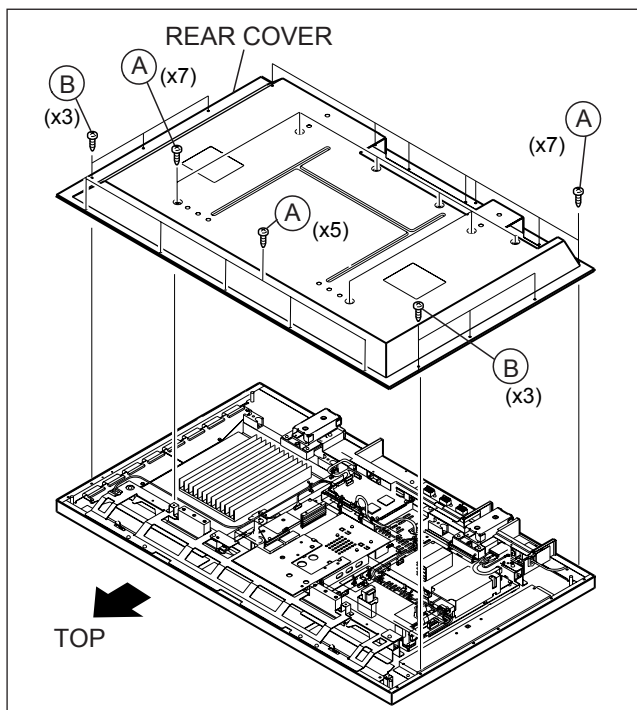


Fig.1

2.4.2 REMOVING THE TERMINAL COVER (Fig.2)

- Remove the REAR COVER.
- Remove the 2 screws [C], and withdraw the TERMINAL COVER.
 - Remove the 6 screws [D], and remove the SPEAKER TERMINAL PWB.

NOTE:

- Disconnect the connector [CN60SP] from the SPEAKER TERMINAL PWB.

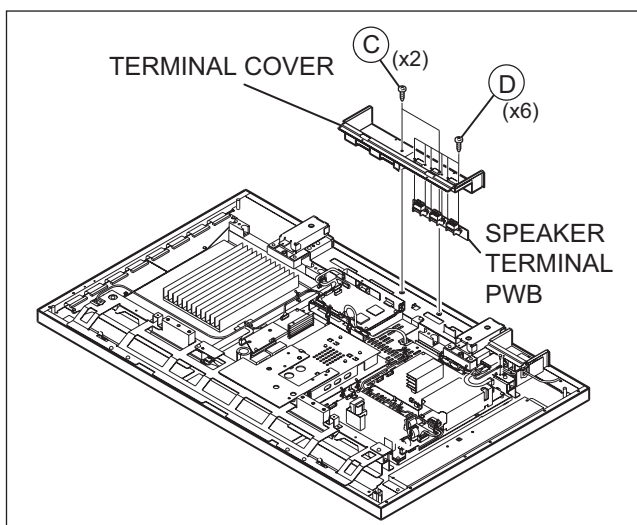


Fig.2

2.4.3 REMOVING THE LINE FILTER PWB (Fig.3)

- Remove the REAR COVER.
 - Remove the TERMINAL COVER.
- Remove the 6 screws [E], and remove the LINE FILTER PWB together with the filter shield.

NOTE:

- Disconnect the connector [CN0PW] from the LINE FILTER PWB.
- Disconnect the connector [CN900P] from the SYSTEM POWER PWB.
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

2.4.4 REMOVING THE AUDIO PWB (Fig.3)

- Remove the REAR COVER.
 - Remove the TERMINAL COVER.
- Remove the 4 screws [F], and remove the AUDIO PWB.

NOTE:

- Disconnect the connectors [CN60SP], [CN600K], [CN60CA], [CN60CE], [CN60CF] from the AUDIO PWB.
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

2.4.5 REMOVING THE SYSTEM POWER PWB (Fig.3)

- Remove the REAR COVER.
 - Remove the TERMINAL COVER.
- Remove the 4 screws [G], and remove the SYSTEM POWER PWB.

NOTE:

- Disconnect the connectors [CN900J], [CN90CB], [CN90CA], [CN900K] from the SYSTEM POWER PWB.
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

2.4.6 REMOVING THE DISPLAY INTERFACE PWB (Fig.3)

- Remove the REAR COVER.
 - Remove the TERMINAL COVER.
- Remove the 2 screws [H], and remove the DISPLAY INTERFACE PWB.

NOTE:

- Disconnect the connectors [CN0AH], [CN0CB], [CN0CD], [CN0CC], [CN0AV], [CN0CF], [CN0CE] from the Monitor Interface PWB.
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

2.4.7 REMOVING THE PDP POWER PWB (Fig.3)

- Remove the REAR COVER.
 - Remove the TERMINAL COVER.
- Remove the 6 screws [I], and remove the PDP POWER PWB.

NOTE:

- Disconnect the connectors [CN00J], [CN0AU], [CN0AT], [CN0AV] from the PDP POWER PWB.
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

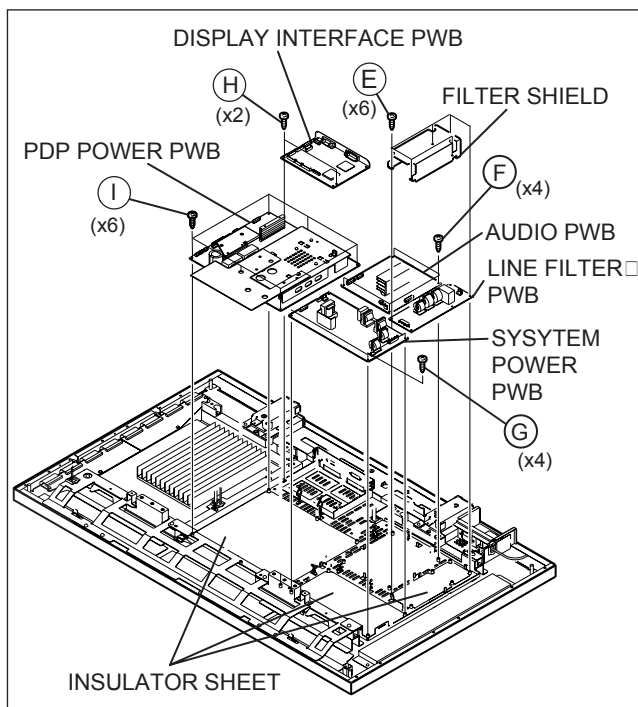


Fig.3

2.4.8 REMOVING THE CHASSIS BASE (Fig.4)

- Remove the REAR COVER.
 - Remove the TERMINAL COVER.
 - Remove the FILTER SHIELD and LINE FILTER PWB.
 - Remove the AUDIO PWB.
 - Remove the SYSTEM POWER PWB.
 - Remove the DISPLAY INTERFACE PWB.
 - Remove the PDP POWER PWB.
- (1) Remove the 1 screw [J] and 1 screw [K], and remove the SHIELD BRACKET.
 - (2) Remove the 2 screws [L] and 1 screw [M].
 - (3) Lift upwards and withdraw the AC inlet in a front direction.
 - (4) Remove the 4 screws [N], and remove the CHASSIS BASE.

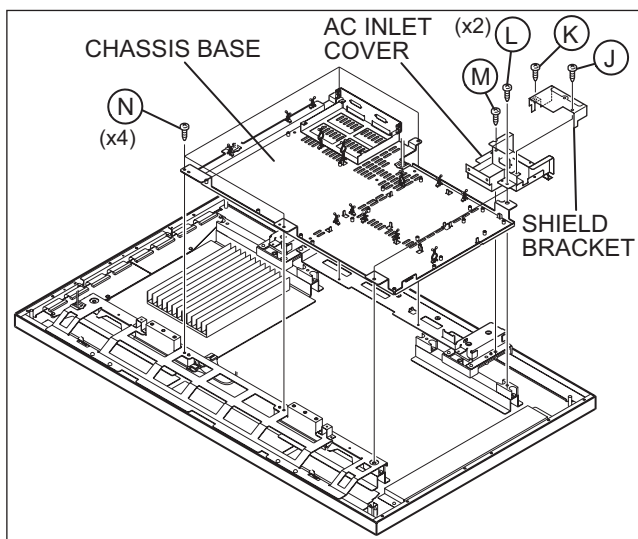


Fig.4

2.4.9 REMOVING THE PDP UNIT (Fig.5)

- Remove the REAR COVER.
 - Remove the TERMINAL COVER.
 - Remove the CHASSIS BASE (with each PWB affixed on the CHASSIS BASE).
- (1) Remove the 4 screws [O], and remove the TERMINAL BRACKET.
 - (2) Disconnect the connectors of the following PWB.

NOTE:

- Disconnect the connector [CN0PW] from the LINE FILTER PWB.
 - Disconnect the connectors [CN0AU] and [CN0AT] from the PDP POWER PWB.
 - Disconnect the connector [CN0AH] and earth wire from the DISPLAY INTERFACE PWB.
 - It is advisable to take note of the connecting location (connector number) of the removed connectors.
- (3) Remove the 4 screws [P] and 5 screws [Q], and remove the 2 pieces of SUPPORT BRACKET (BOTTOM).
 - (4) Remove the 4 screws [R] and remove the 2 pieces of BACK FRAME (BOTTOM).
 - (5) Remove the 4 screws [S] and 1 screw [T], and remove the SUPPORT BRACKET (TOP).
 - (6) Remove the 2 screws [U] and 1 screw [V], and remove the PANEL SHIELD.
 - (7) Remove the 4 screws [W].
 - (8) Lift the PDP upright and remove it with enough care not to impose shock to the PDP.

CAUTION:

- Two or more people are required to remove the PDP unit
- The gas pouring port is covered with the protection material. In operation, be careful not to damage the gas pouring port.
- Do not touch the front side (glass) of the PDP with your fingers.

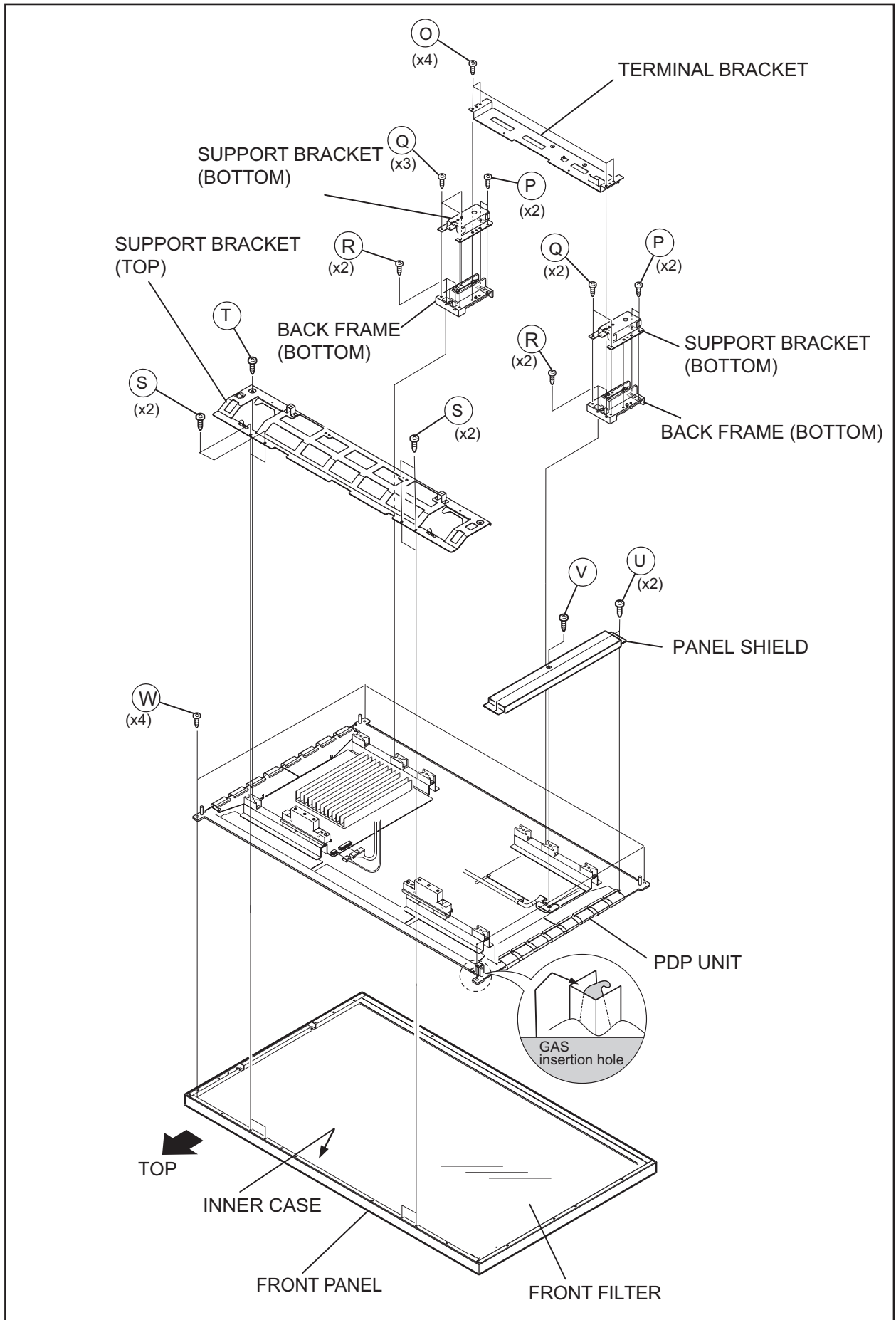


Fig.5

2.4.10 REMOVING THE INNER CASE (Fig.6)

- Remove the REAR COVER.
- Remove the TERMINAL COVER.
- Remove the the CHASSIS BASE (with each PWB attached to the CHASSIS BASE).
- Remove the PDP unit.

- (1) Remove the 2 screws [X] and 3 screws [Y].
- (2) Lift the INNER CASE to about the height of the FRONT PANEL frame, withdraw it in a front direction and remove it from the 5 guiding bosses located at the top of the FRONT PANEL.

CAUTION:

- The INNER CASE is attached with the filter (made of glass). Be careful not to impose shock to it.

2.4.11 REMOVING THE DISPLAY SW PWB (Fig.6)

- Remove the INNER CASE.
- (1) Remove the 2 screws [Z], and remove the DISPLAY LED PWB.

2.4.12 REMOVING THE PANEL SW PWB (Fig.6)

- Remove the INNER CASE.
- (1) Remove the 2 screws [a], and remove the CONTROL BASE.
- (2) Remove the 3 screws [b], and remove the DISPLAY SWITCH PWB.

2.4.13 REMOVING THE FRONT FILTER (Fig.6)

- Remove the INNER CASE.
- (1) Remove the 10 screws [c], and remove the 10 FILTER BRACKETS.
- (2) Remove the FRONT FILTER with enough care not to damage it.

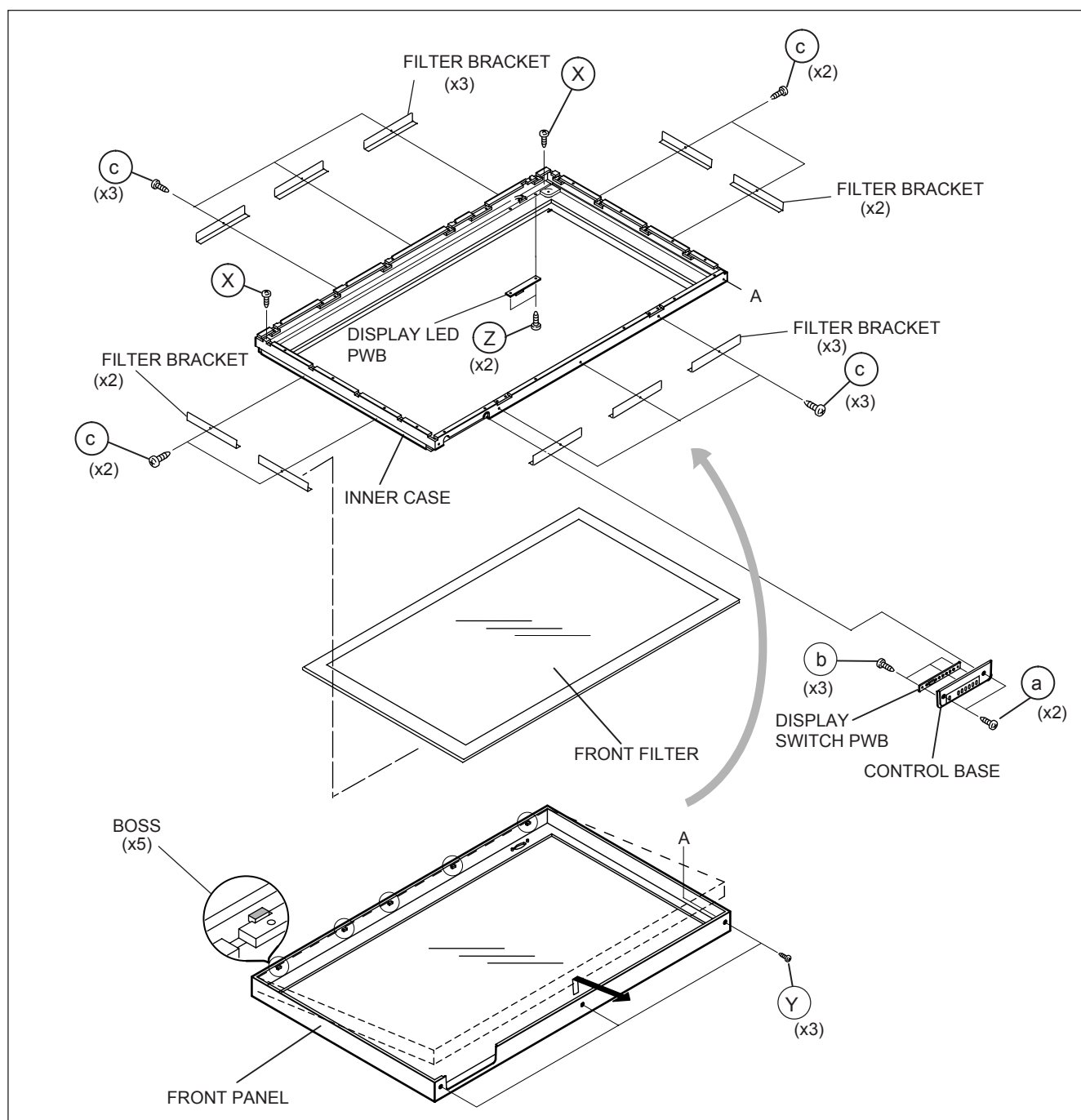


Fig.6

2.5 DISASSEMBLY OF PROCEDURE [RECEIVER UNIT]

2.5.1 REMOVING THE TOP COVER

- (1) Remove the 4 screws [A] on the both left and right sides.
- (2) Remove the 3 screws [B] on the rear side.
- (3) Lift upwards and withdraw the TOP COVER.

2.5.2 REMOVING THE FRONT PANEL

- Remove the TOP COVER.
 - (1) Remove the 1 screw [C] and 1 screw [D].
 - (2) Disengage the 2 claws [E] on the both left and right sides.
 - (3) Disengage the 2 claws [F] on the bottom side.
 - (4) Withdraw the FRONT PANEL in a front direction.

2.5.3 REMOVING THE DAMPER (INSIDE FRONT PANEL)

- Remove the TOP COVER.
- Remove the FRONT PANEL.
 - (1) Remove the 1 screw [G], and remove the DAMPER.

2.5.4 REMOVING THE FRONT CONTROL PWB

- Remove the TOP COVER.
- Remove the FRONT PANEL.
 - (1) Remove the 4 screws [H], and remove the FRONT CONTROL PWB.

2.5.5 REMOVING THE REAR COVER

- Remove the TOP COVER.
 - (1) Remove the 2 screws [I], and withdraw the AC INLET.
 - (2) Remove the 2 screws [J] and the 2 screws [K], and withdraw the display output terminal.
 - (3) Remove the 16 screws [L], and withdraw the video/audio terminal.
 - (4) Remove the 2 screws [M], 3 screws [N], 1 screw [O], and withdraw the REAR COVER in a rear direction.

2.5.6 REMOVING THE DIST PWB, DIST RELAY PWB, MI-COM PWB, MI-COM INTERFACE PWB, AV JACK PWB, AV SW PWB, and SUB TUNER PWB.

- Remove the TOP COVER
- Remove the REAR COVER.
 - (1) Remove the 1 screw [P], and remove the PB HOLDER.
 - (2) Remove the 2 screws [Q] and 2 screws [R].
 - (3) Lift upwards and withdraw the SUPPORT BRACKET, the DIST PWB, and the DIST RELAY PWB.
 - (4) Remove the 5 screws [S] and 1 screw [T], and remove the SUPPORT BRACKET.
 - (5) Pull right and left and remove the DIST PWB and the DIST RELAY PWB.
 - (6) Lift upwards and withdraw the MI-COM PWB and the MI-COM INTERFACE PWB.
 - (7) Pull right and left and remove the MI-COM PWB and the MI-COM INTERFACE PWB.
 - (8) Remove the 3 screws [U], and remove the TERMINAL BRACKET.
 - (9) Lift upwards and withdraw the AV JACK PWB and the AV SW PWB.
 - (10) Pull right and left and remove the AV JACK PWB and the AV SW PWB.
 - (11) Lift upwards and withdraw the SUB TUNER PWB.

2.5.7 REMOVING THE MAIN PWB AND RECEIVER POWER PWB

- Remove the TOP COVER
- Remove the REAR COVER.
- Remove the DIST PWB, DIST RELAY PWB, MI-COM PWB, MI-COM INTERFACE PWB, AV JACK PWB, AV SW PWB, and SUB TUNER PWB.
 - (1) Remove the 2 screws [V] and 2 screws [W]. Then, lift upwards and withdraw the MAIN PWB.
 - (2) Remove the 6 screws [X], and remove the MI-COM HOLDER and the RECEIVER POWER PWB.

2.5.8 REMOVING THE AC INLET

- Remove the TOP COVER
- Remove the REAR COVER.
 - (1) Remove the 1 screw [Y], and remove the AC INLET.

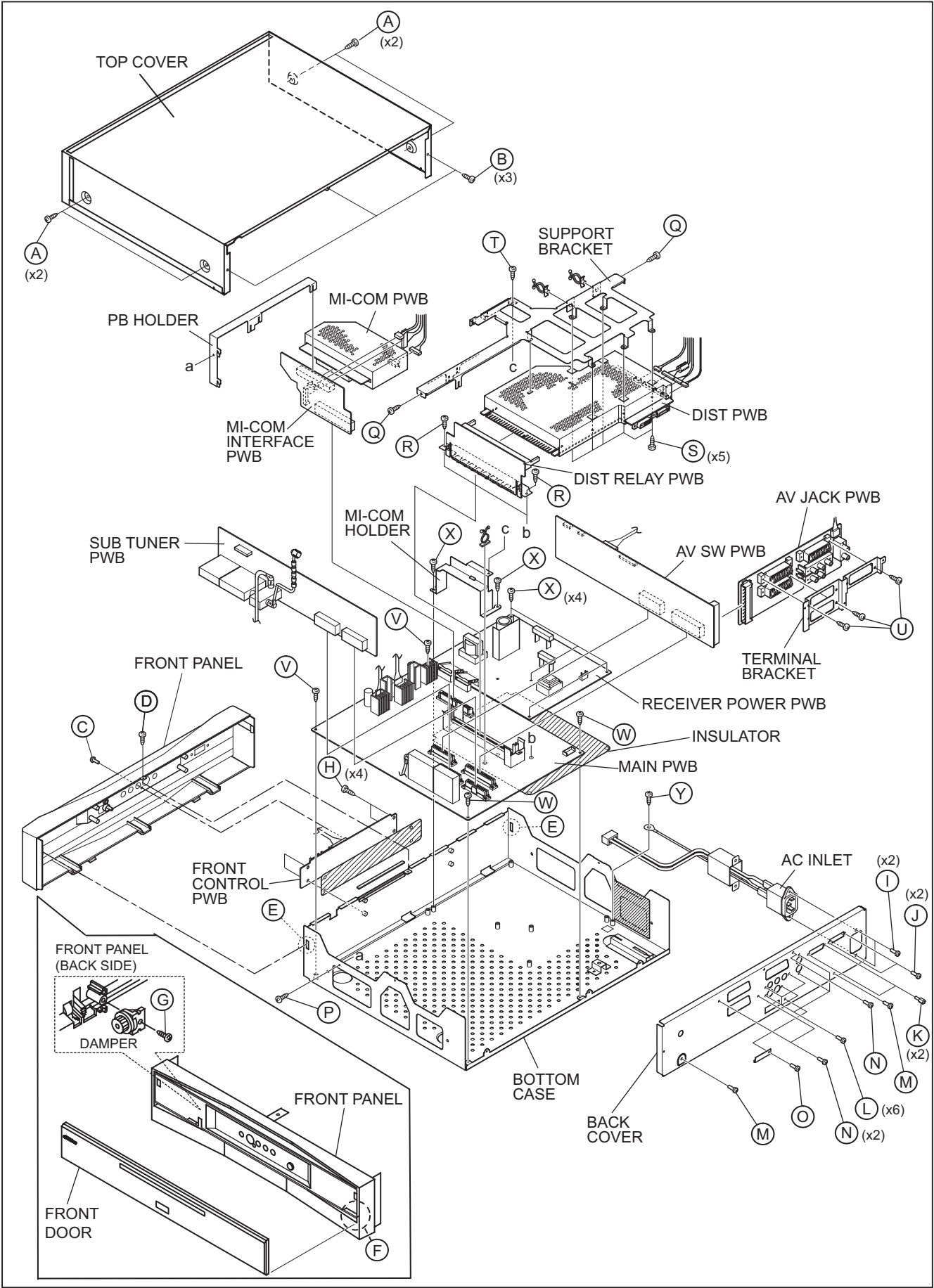


Fig.7

2.6 REPLACEMENT OF MEMORY IC

This unit uses the nonvolatile memory IC.

The memory IC memories data for video and deflection circuits. To replace the memory IC without the data written, malfunctions might occurred while power is on, and the normal image might not appear. When replacing the memory IC, be sure to use the IC written with the initial values of data.

2.6.1 PROCEDURE FOR REPLACING THE MEMORY IC

- (1) Switch the power off and unplug the power cord from the wall outlet.
- (2) Replacing the memory IC. [Be sure to use the IC written with the initial values of data]
- (3) Plug the power cord into the wall outlet and switch the power on.
- (4) Check and setting of SYSTEM CONSTANT SET
 - a) Press the [INFORMATION] key and [MUTING] key on the remote control unit simultaneously.
The SERVICE MENU screen will be displayed. (See Fig.1)
 - b) In the SERVICE MENU, press the [INFORMATION] key and [MUTING] key simultaneously.
Then, the SYSTEM CONSTANT SET screen will be displayed. (See Fig.2)
 - c) Check whether the setting value of the SYSTEM CONSTANT SET is the same as these indicated in Table 1.
 - d) Press the [INFORMATION] key twice to return to the normal screen.
- (5) Receive channel setting
Refer to the OPERATING INSTRUCTIONS and set the receive channels.
- (6) User setting
Memories the user setting items.
The [SETTINGS OF THE LAST MEMORY FACTORY SHIPMENT] setting is as next page.
- (7) Setting of SERVICE MENU
Check the setting items in the SERVICE MENU, set if necessary.
For setting method, please refer to the [ADJUSTMENT PREPARATION] to [ADJUSTMENT PROCEDURE] of ADJUSTMENTS section.

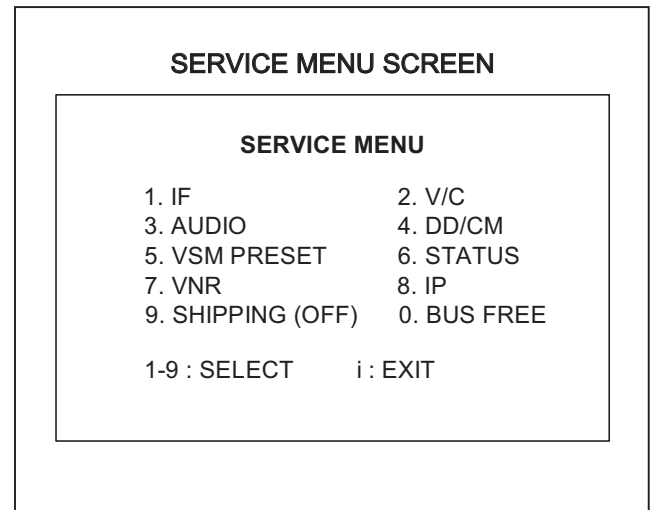


Fig.1

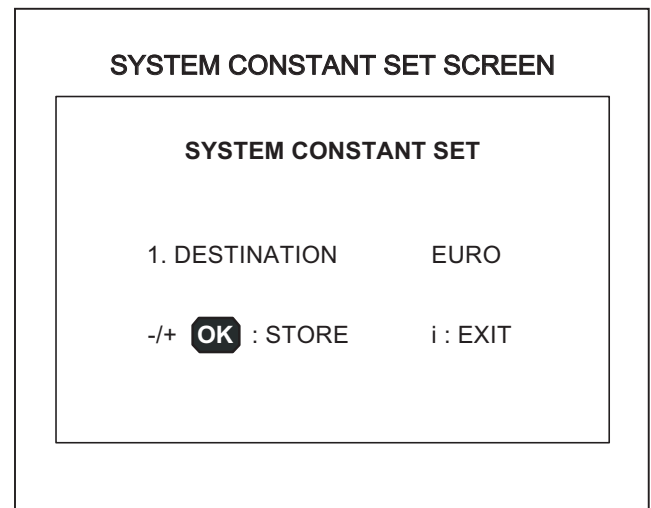


Fig.2

2.6.2 SETTING OF THE SYSTEM CONSTANT SET

Setting item	Setting content	Setting value
DESTINATION	ASIA / EURO	EURO

Table 1

2.6.3 SETTINGS OF THE LAST MEMORY FACTORY SHIPMENT

Setting item	Setting value	Setting item	Setting value
POWER	OFF	SOUND SETTING	
SHIPPING CHANNEL	PR1	STEREO/I·II	Stereo sound
PRESET CHANNEL	Refer to OPERATING INSTRUCTIONS	BASS	Center
		TREBLE	Center
VOLUME	10	BALANCE	Center
PICTURE SETTING		SPEAKER	ON
PICTURE MODE	BRIGHT	BBE	OFF
CONTRAST	Center	3D SOUND	OFF
BRIGHT	Center	SUBWOOFER	LOW
SHARP	Center	HEADPHONE	
COLOUR	Center	VOLUME	20
HUE	Center	TV SPEAKER	OFF
COLOUR TEMP.	NORMAL	OUTPUT	MAIN
PICTURE FEATURES		EXT SETTING	
DIGITAL VNR	AUTO	S-IN	EXT 2, 3, 5 : S-IN
Super DigiPure	AUTO	ID LIST	---
COLOUR SYSTEM	TV: Depend on PR/CH EXT: AUTO	DUBBING	EXT-1 --> EXT-2
MOVIE THEATRE	AUTO	FEATURES	
4:3 AUTO ASPECT	PANORAMIC	SLEEP TIMER	OFF
COLOUR MANAGEMENT	ON	BLUE BACK	ON
PIP	Right below	CHILD LOCK	
		SET ID NO	0000
		DECODER (EXT-2)	OFF
		SNOW NOISE	OFF
		INSTALL	
		LANGUAGE	ENGLISH
		AUTO PROGRAM	FRANCE
		EDIT / MANUAL	EDIT

Table 2

2.6.4 VSM PRESET SETTING

Item No.	Item	Variable range	Setting value					
			PICTURE MODE			COLOUR TEMP.		
			BRIHGT	STD	SOFT	COOL	NORMAL	WARM
1	CONT	-16~16	9	0	-13	-	-	-
2	BRIGHT	-16~16	0	0	0	-	-	-
3	SHARP	-16~16	6	0	-2	-	-	-
4	COLOUR	-16~16	2	0	-1	-	-	-
5	TINT	-16~16	0	0	0	-	-	-
1	WDR R	-128~127	-	-	-	-4	0	8
2	WDR G	-128~127	-	-	-	0	0	0
3	WDR B	-128~127	-	-	-	8	0	-1

2.6.4.1 Setting of VSM PRESET

- Enter "5.VSM PRESET" from the SERVICE MENU.
- Press the [OK] key to select BRIGHT/STD/SOFT/COOL/NORMAL/WARM mode.
- Select the setting item using the [FUNCTION (UP/DOWN)] key.
- Set the value using the [FUNCTION (+/-)] key.
- Press the [OK] key to save the value.
- Press the [INFORMATION] key twice to return to the normal screen.

2.6.5 SERVICE MENU SETTING ITEMS

Setting item	Setting value	Setting item	Setting value
1.IF	1.VCO 2.ATT ON/OFF	6.STATUS	(Do not adjust)
2. V/C	1.CUT OF R 13.COLOUR 2.CUT OF G 14.HUE 3.CUT OF B 15.BY GAIN 4.DRIVE R 16.TWN COL 5.DRIVE G 17.TWN TNT 6.DRIVE B 18.B OF MR 7.TWIN HI R 19.B OF MB 8.TWIN HI B 20.B OF SR 9.BRIGHT 21.B OF SB 10.CONT S01 ~ S97 11.TWN BRG A01 ~ A17 12.TWN CNT PDA01 ~ PDA12	7.VNR (Do not adjust)	1.MYLV 10.MCCOR 2.ONMVF 11.CLTL 3.MYCOT 12.YNGA 4.MYGA 13.COR_OF 5.YEGON 14.LPF_OF 6.YEGL 15.YCTL 7.YLTL 16.YNCL 8.MCLV 17.YNCON 9.MCGA
3.AUDIO (Do not adjust)	1.ERROR LIMIT 2.A2 ID THR 3.Q-PEAK 4.SOUND LEVEL	8.IP (Do not adjust)	PPA001 ~ PPA008 PPB001 ~ PPB036 PPC001 ~ PPC007 PPD001 ~ PPD016 ADS001 ~ ADS034 IPA001 ~ IPA120 IPB001 ~ IPB088 IPC001 ~ IPC044 IPD001 ~ IPD058
4.DD/CM	DDT01 ~ DDT34 CMT01 ~ CMT57 DDP01 ~ DDP37 CMP01 ~ CMP03 OSD-G OSD-B OSD-R		
5.VSM PRESET	PICTURE MODE 1.CONT 2.BRIGHT 3.SHARP 4.COLOUR 5.TINT COLOUR TEMP. 1.WDR R 2.WDR G 3.WDR B	9.SHIPPING(OFF)	(Do not use under the adjustment)

Table 3

2.7 REPLACEMENT OF CHIP COMPONENT

2.7.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

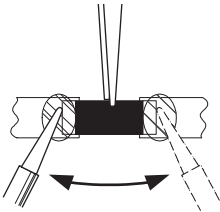
2.7.2 SOLDERING IRON

- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

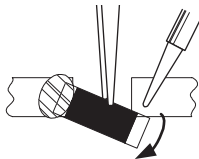
2.7.3 REPLACEMENT STEPS

1. How to remove Chip parts
[Resistors, capacitors, etc.]

- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



- (2) Shift with the tweezers and remove the chip part.

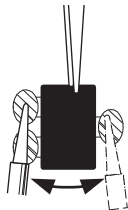


[Transistors, diodes, variable resistors, etc.]

- (1) Apply extra solder to each lead.



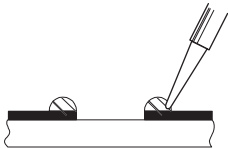
- (2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



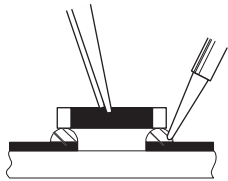
Note :
After removing the part, remove remaining solder from the pattern.

2. How to install Chip parts
[Resistors, capacitors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.

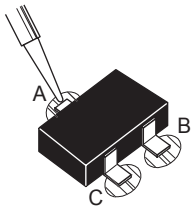


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

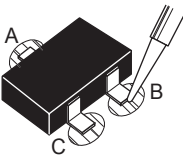


[Transistors, diodes, variable resistors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead **A** as indicated in the figure.



- (4) Then solder leads **B** and **C**.



SECTION 3 ADJUSTMENTS

3.1 ADJUSTMENT PREPARATION

NOTE:

Prior to the following procedure, be sure to connect the receiver unit and the display unit.

- (1) Adjustment of many Majority of the adjustment items for this unit is performed using the remote control.
- (2) However, adjustment of some adjustment items is performed in the conventional way, i.e. with components on the boards.
- (3) Ensure that the power supply is AC220V.
- (4) Allow the set and the measuring devices to run for at least 30 minutes.
- (5) Do not alter settings of items/preset values on the service screen that are not stated in this manual.
- (6) Unless otherwise stated in the "ADJUSTMENT PROCEDURE" section, follow the settings for the features stated below using the remote control.

3.2 MEASURING INSTRUMENT AND FIXTURES

- DC voltmeter (or Digital voltmeter)
- Oscilloscope
- Signal generator (Pattern generator)
- Remote control unit

Setting item	Settings
PICTURE MODE	STANDARD
PICTURE adjustment	All center (00)
COLOUR TEMP.	NORMAL
DIGITAL VNR	AUTO
Super Digi Pure	AUTO
SOUND adjustment	All centre (00)
ZOOM	FULL

3.3 MAIN PARTS LOCATIONS (RECEIVER UNIT)

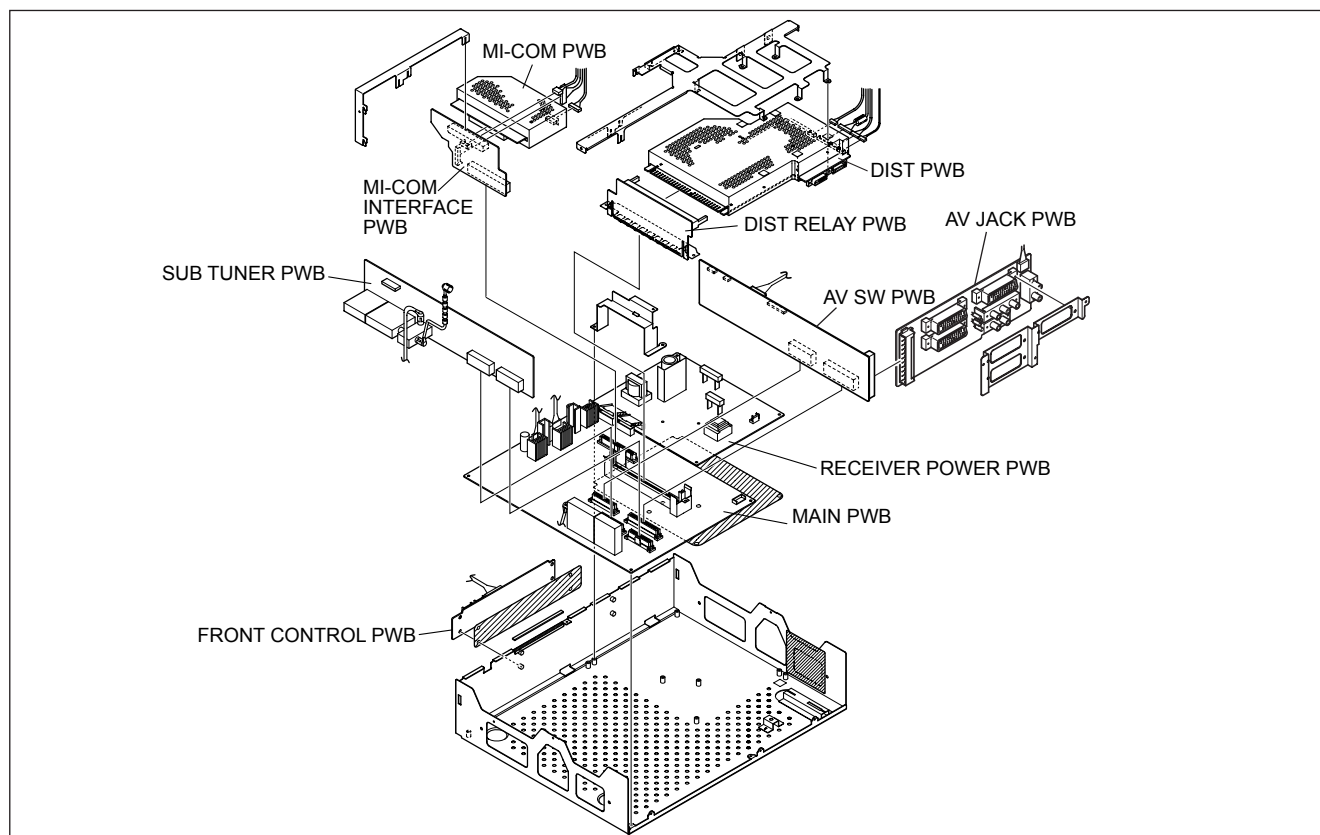


Fig.1

3.4 MAIN PARTS LOCATIONS (DISPLAY UNIT)

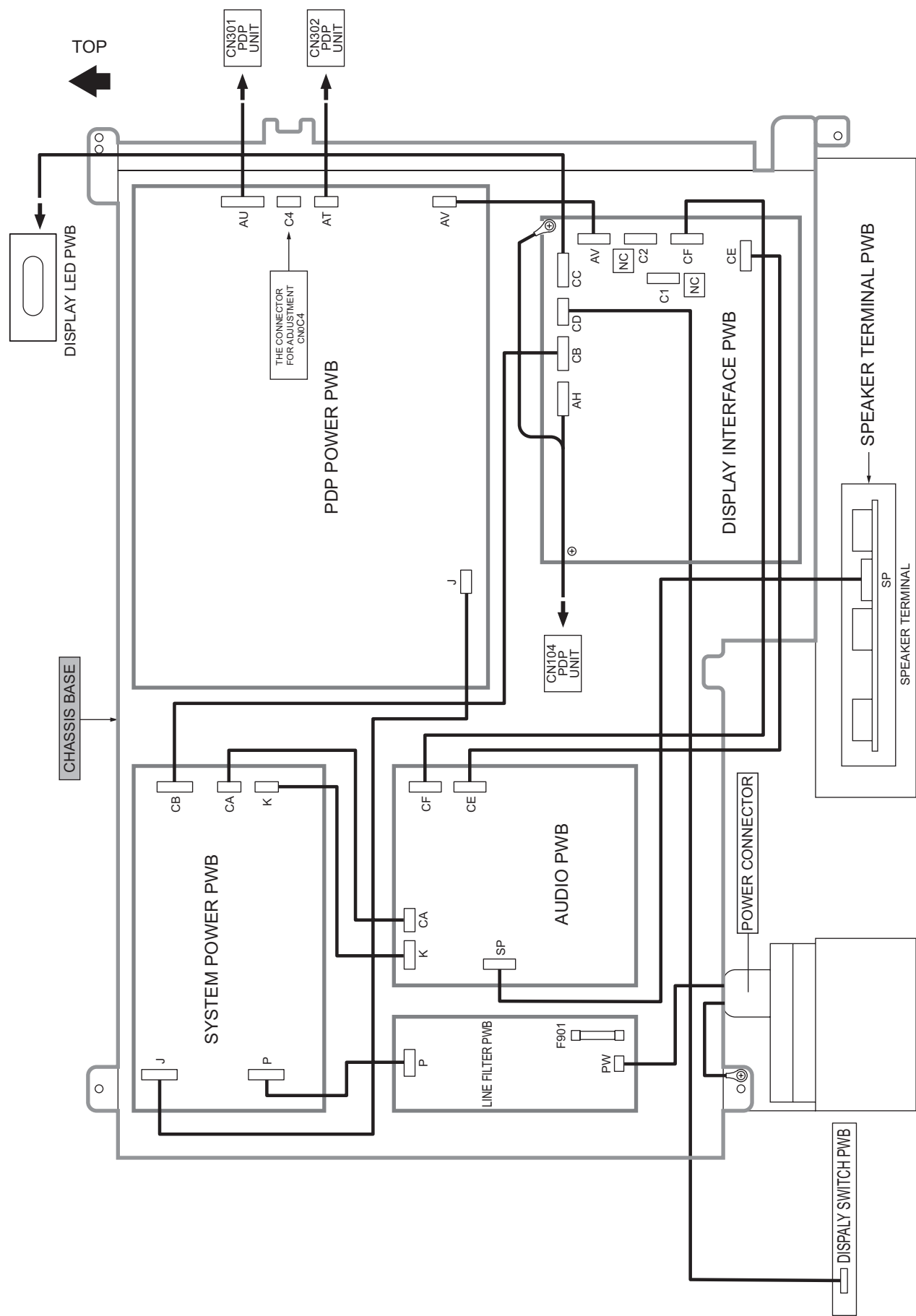


Fig.2

3.5 SERVICE MENU SCREEN

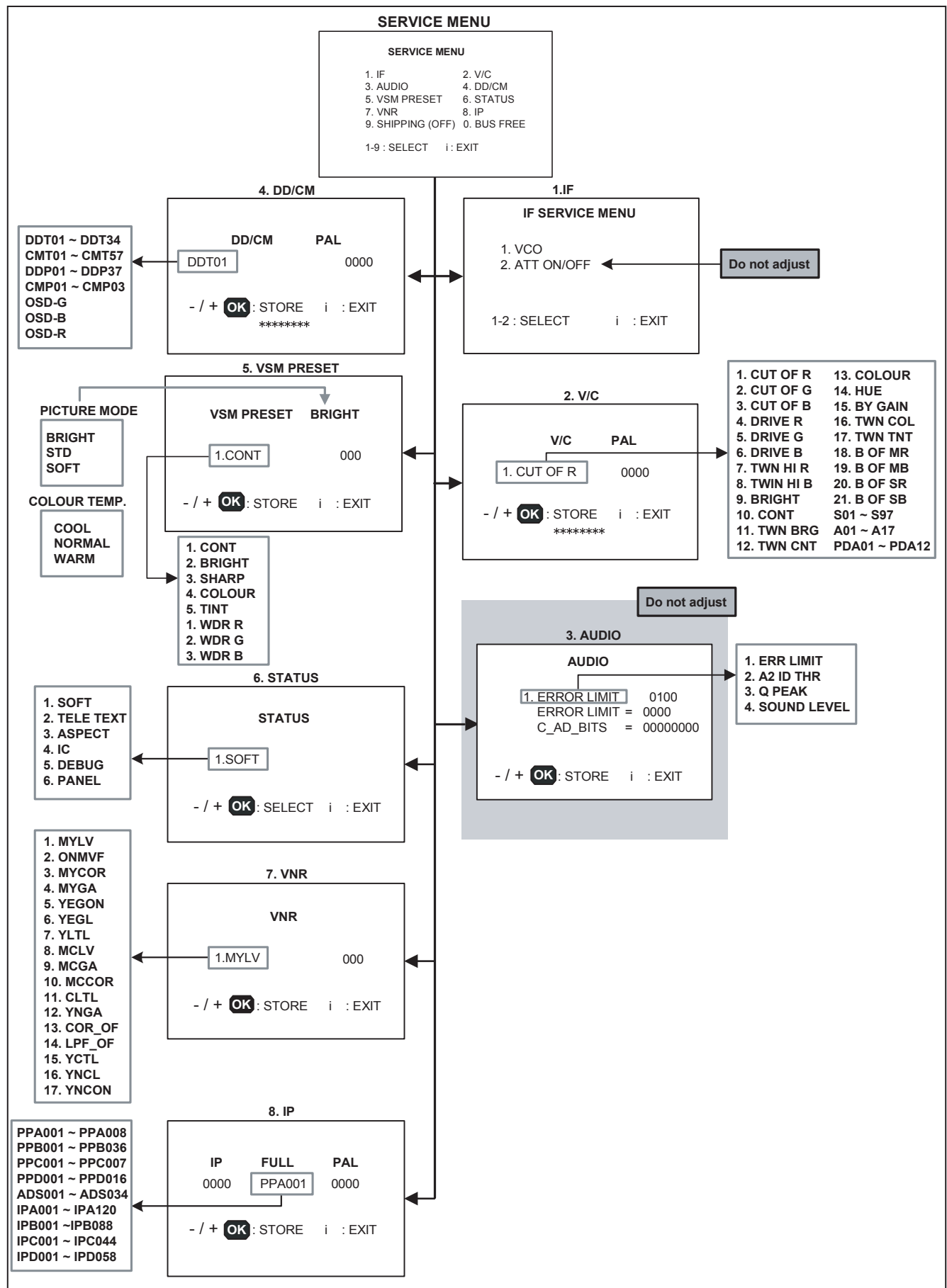


Fig.3

3.6 BASIC OPERATION OF THE SERVICE MENU MODE [USING REMOTE CONTROL UNIT]

3.6.1 HOW TO ENTER THE SERVICE MENU MODE

- (1) Press the [INFORMATION] key and the [MUTING] key of the REMOTE CONTROL UNIT simultaneously, and the SERVICE MENU screen of Fig.4 will be displayed.
- (2) When the Main Menu is displayed, press any key of the [1] to [0] key to enter the corresponding menu mode.
*Press any of the [1] to [0] keys before the Service Menu mode disappears.
- (3) Select the service item using the [FUNCTION (UP/DOWN)] key.
- (4) Set the value using the [FUNCTION (+/-)] key.
- (5) Press the [OK] key to save the value.

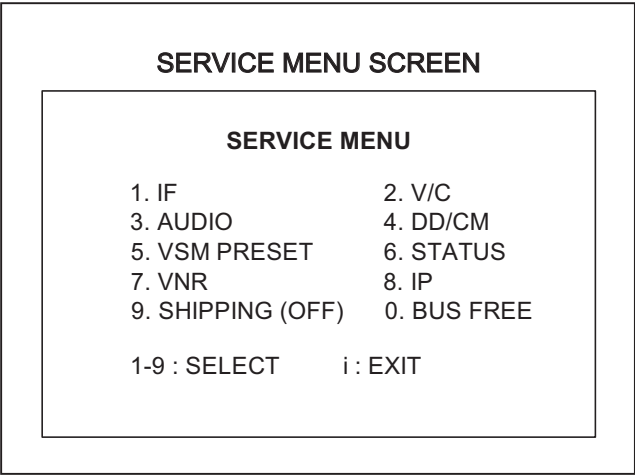


Fig.4

3.6.2 HOW TO EXIT THE SERVICE MENU MODE

Press the [INFORMATION] key to exit the Service Menu mode.

3.6.3 SERVICE CONTROL KEY LAYOUT ON THE REMOTE CONTROL UNIT

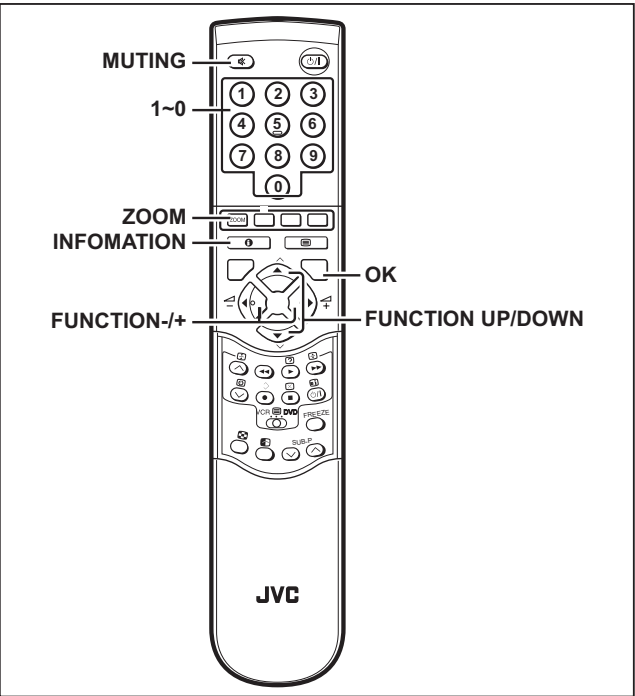


Fig.5

3.6.4 SETTINGS OF THE SERVICE MENUS

3.6.4.1 [1. IF] (VCO adjustment, ATT setting)
[Do not adjust]

3.6.4.2 [2. V/C] (VIDEO setting)

[Do not change settings of items that are not included in the "ADJUSTMENT PROCEDURE".]

Sets output data to the video circuit.

- [Function (up/down)] key
For scrolling up/down the setting items.
- [Function (+/-)] key
For scrolling up/down the setting values.

3.6.4.3 [3. AUDIO] (SOUND setting)

[Do not adjust]

3.6.4.4 [4. DD/CM] (Panel picture processing setting)

[Do not change settings of items that are not included in the "ADJUSTMENT PROCEDURE".]

Sets output data to the deflection circuit.

- [Function (up/down)] key
For scrolling up/down the setting items.

DDT01...←CMT01...←DDP01...←CMP01...←OSD-G ←

- [Zoom (red)] key
For switching to the next item.

DDT01 → CMT01 → DDP01 → CMP01 → OSD-G →

- [Function (+/-)] key
For scrolling up/down the setting values.

3.6.4.5 [5. VSM PRESET] (PICTURE preset setting)
[Refer to page 1-18.]

3.6.4.6 [6. STATUS]

(The version of software, the aspect, and the state of debugging are displayed.)

[Setting for this item is not required in servicing]

3.6.4.7 [7. VNR] (Noise reduction setting)

[Do not adjust]

Sets output data to the digital noise reduction circuit.

3.6.4.8 [8. IP] (DIST setting)

[Do not adjust]

Sets output data to the DIST circuit.

3.6.4.9 [9. SHIPPING (OFF)]

[Setting for this item is not required in servicing]

3.6.4.10 [10. BUE FREE]

[Setting for this item is not required in servicing]

3.7 DEFAULT VALUES IN THE SERVICE MENU SETTING MODE

- Perform fine-tuning based on the "default values" using the remote control when in the SERVICE MENU setting mode.
- The "default values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values. But, don't change the values that are not written in "ADJUSTMENT PROCEDURE". They are fixed values.

3.7.1 [2. V/C]

3.7.1.1 VIDEO SYSTEM

Item No.	Item	Variable range	Setting value								
			TV		EXT-1 / 2 / 3 / 5			EXT-4			
			PAL	SECAM	PAL	SECAM	NTSC	625i	525i	625p	525p
1	CUT OF R	0000~0255	0088	0088	0088	0088	0088	0000	0000	0000	0000
2	CUT OF G	0000~0255	0101	0101	0101	0101	0101	0000	0000	0000	0000
3	CUT OF B	0000~0255	0106	0106	0106	0106	0106	0000	0000	0000	0000
4	DRIVE R	0000~0255	0129	0129	0129	0129	0129	0000	0000	0000	0000
5	DRIVE G	0000~0255	0112	0112	0112	0112	0112	0000	0000	0000	0000
6	DRIVE B	0000~0255	0110	0110	0110	0110	0110	0000	0000	0000	0000
7	TWIN HI R	0000~0127	0074	0074	0074	0074	0074	0000	0000	0000	0000
8	TWIN HI B	0000~0127	0066	0066	0066	0066	0066	0000	0000	0000	0000
9	BRIGHT	0000~0255	0014	0014	0014	0014	0014	0000	0000	0000	0000
10	CONT	0000~0015	0006	0006	0006	0006	0006	0000	0000	0000	0000
11	TWN BRG	0000~0127	0081	0081	0081	0081	0081	0000	0000	0000	0000
12	TWN CNT	0000~0015	0007	0007	0007	0007	0007	0000	0000	0000	0000
13	COLOUR	0000~0015	0006	0006	0000	0000	0007	0000	0000	0000	0000
14	HUE	0000~0063	0007	0007	0000	0000	0034	0000	0000	0000	0063
15	BY GAIN	0000~0063	0032	0032	0000	0000	0043	0000	0000	0000	0043
16	TWN COL	0000~0015	0010	0010	0002	0002	0002	0002	0002	0002	0002
17	TWN TNT	0000~0063	0032	0032	0032	0032	0032	0032	0032	0032	0032
18	B OF MR	0000~0015	0008	0008	0008	0008	0008	0008	0008	0008	0008
19	B OF MB	0000~0015	0008	0008	0008	0008	0008	0008	0008	0008	0008
20	B OF SR	0000~0015	0008	0008	0008	0008	0008	0008	0008	0008	0008
21	B OF SB	0000~0015	0008	0008	0008	0008	0008	0008	0008	0008	0008

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
S01	COLOUR	0000~0255	0100	0125	0135
S02	HUE	-128~0127	0000	0000	0000
S03	(NO DISPLAY)	-128~0127	0000	0000	0000
S04	(NO DISPLAY)	-128~0127	0000	0000	0000
S05	BRIGHT	0000~0255	0037	0037	0037
S06	CONT	0000~0255	0100	0100	0100
S07	(NO DISPLAY)	-128~0127	0000	0000	0000
S08	(NO DISPLAY)	-128~0127	0000	0000	0000
S09	(NO DISPLAY)	0000~0255	0138	0138	0138
S10	(NO DISPLAY)	-128~0127	0000	0000	0000
S11	(NO DISPLAY)	-128~0127	0006	0006	0006
S12	(NO DISPLAY)	0000~0003	0000	0000	0000
S13	R GAIN	0000~0255	0249	0249	0249
S14	(NO DISPLAY)	-128~0127	0000	0000	0000
S15	G GAIN	0000~0255	0255	0255	0255
S16	(NO DISPLAY)	-128~0127	0001	0001	0001
S17	B GAIN	0000~0255	0254	0254	0254

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
S18	(NO DISPLAY)	-128~0127	0000	0000	0000
S19	(NO DISPLAY)	0000~0255	0128	0128	0128
S20	(NO DISPLAY)	-128~0127	0000	0000	0000
S21	(NO DISPLAY)	0000~0255	0123	0123	0123
S22	(NO DISPLAY)	-128~0127	0000	0000	0000
S23	(NO DISPLAY)	0000~0255	0125	0125	0125
S24	(NO DISPLAY)	-128~0127	0000	0000	0000
S25	(NO DISPLAY)	0000/0001	0000	0000	0000
S26	(NO DISPLAY)	0000/0001	0000	0000	0000
S27	(NO DISPLAY)	0000/0001	0000	0000	0000
S28	(NO DISPLAY)	0000/0001	0001	0001	0001
S29	(NO DISPLAY)	0000/0001	0000	0000	0000
S30	(NO DISPLAY)	0000~0031	0003	0003	0003
S31	(NO DISPLAY)	0000~0063	0006	0006	0006
S32	(NO DISPLAY)	0000~0063	0030	0030	0030
S33	(NO DISPLAY)	0000/0001	0001	0001	0001
S34	(NO DISPLAY)	0000/0001	0001	0001	0001
S35	(NO DISPLAY)	0000/0001	0000	0000	0000
S36	(NO DISPLAY)	0000~0031	0000	0000	0000
S37	(NO DISPLAY)	0000~0255	0200	0200	0200
S38	(NO DISPLAY)	0000~0063	0050	0050	0050
S39	(NO DISPLAY)	0000~0063	0060	0060	0060
S40	(NO DISPLAY)	0000/0001	0001	0001	0001
S41	(NO DISPLAY)	0000/0001	0000	0000	0000
S42	(NO DISPLAY)	0000~0003	0001	0001	0001
S43	(NO DISPLAY)	0000~0031	0011	0011	0011
S44	(NO DISPLAY)	0000~0003	0001	0001	0001
S45	(NO DISPLAY)	0000~0003	0001	0001	0001
S46	(NO DISPLAY)	0000~0015	0015	0015	0015
S47	(NO DISPLAY)	0000~0015	0015	0015	0015
S48	(NO DISPLAY)	0000~0015	0015	0015	0015
S49	(NO DISPLAY)	0000/0001	0000	0000	0000
S50	(NO DISPLAY)	0000~0255	0010	0010	0010
S51	(NO DISPLAY)	0000/0001	0000	0000	0000
S52	(NO DISPLAY)	0000~0255	0087	0087	0087
S53	(NO DISPLAY)	0000/0001	0000	0000	0000
S54	(NO DISPLAY)	0000~0255	0006	0006	0006
S55	(NO DISPLAY)	0000/0001	0000	0000	0000
S56	(NO DISPLAY)	0000~0255	0092	0092	0092
S57	(NO DISPLAY)	0000~0255	0000	0000	0000
S58	(NO DISPLAY)	0000~0015	0000	0000	0000
S59	(NO DISPLAY)	0000~0255	0013	0013	0013
S60	(NO DISPLAY)	0000~0015	0000	0000	0000
S61	(NO DISPLAY)	0000/0001	0001	0001	0001
S62	(NO DISPLAY)	0000~0127	0010	0010	0010
S63	(NO DISPLAY)	0000/0001	0000	0000	0000
S64	(NO DISPLAY)	0000~0127	0000	0000	0000
S65	(NO DISPLAY)	0000~0003	0002	0002	0002

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
S66	(NO DISPLAY)	0000~0003	0003	0003	0003
S67	(NO DISPLAY)	0000~0003	0003	0003	0003
S68	(NO DISPLAY)	0000~0015	0000	0000	0000
S69	(NO DISPLAY)	0000~0063	0019	0019	0019
S70	(NO DISPLAY)	0000/0001	0001	0001	0001
S71	(NO DISPLAY)	0000~0255	0255	0255	0255
S72	(NO DISPLAY)	0000~0255	0255	0255	0255
S73	(NO DISPLAY)	0000~0255	0255	0255	0255
S74	(NO DISPLAY)	0000~0031	0000	0000	0000
S75	(NO DISPLAY)	0000~0031	0000	0000	0000
S76	(NO DISPLAY)	-127~0128	0000	0000	0000
S77	(NO DISPLAY)	-127~0128	0000	0000	0000
S78	(NO DISPLAY)	0000~0255	0255	0255	0255
S79	(NO DISPLAY)	0000~0255	0000	0000	0000
S80	(NO DISPLAY)	0000~0255	0255	0255	0255
S81	(NO DISPLAY)	0000~0255	0000	0000	0000
S82	(NO DISPLAY)	0000~0255	0255	0255	0255
S83	(NO DISPLAY)	0000~0255	0000	0000	0000
S84	(NO DISPLAY)	0000~0015	0000	0000	0000
S85	(NO DISPLAY)	0000~0255	0010	0010	0010
S86	(NO DISPLAY)	0000~0255	0130	0130	0130
S87	(NO DISPLAY)	0000~0003	0001	0001	0001
S88	(NO DISPLAY)	0000~0007	0007	0007	0007
S89	(NO DISPLAY)	0000~0255	0030	0030	0030
S90	(NO DISPLAY)	0000~0127	0000	0000	0000
S91	(NO DISPLAY)	0000~0007	0007	0007	0007
S92	(NO DISPLAY)	0000~0031	0031	0031	0031
S93	(NO DISPLAY)	0000~0007	0007	0007	0007
S94	(NO DISPLAY)	0000~0031	0031	0031	0031
S95	(NO DISPLAY)	0000~0255	0060	0060	0060
S96	(NO DISPLAY)	0000~0015	0006	0006	0006
S97	(NO DISPLAY)	0000~0063	0040	0040	0040

3.7.1.2 AUDIO SYSTEM

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
A01	(NO DISPLAY)	0000~0007	0003	0003	0003
A02	(NO DISPLAY)	0000~0007	0003	0003	0003
A03	(NO DISPLAY)	0000~0007	0003	0003	0003
A04	(NO DISPLAY)	0000~0007	0003	0003	0003
A05	(NO DISPLAY)	0000~0009	0009	0009	0009
A06	(NO DISPLAY)	0000~0015	0006	0006	0006
A07	(NO DISPLAY)	0000~0015	0006	0006	0006
A08	(NO DISPLAY)	0000~0015	0003	0003	0003
A09	(NO DISPLAY)	0000~0007	0006	0006	0006
A10	(NO DISPLAY)	0000~0007	0004	0004	0004
A11	(NO DISPLAY)	0000~0063	0017	0017	0017
A12	(NO DISPLAY)	0000~0063	0010	0010	0010
A13	(NO DISPLAY)	0000~0003	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
A14	(NO DISPLAY)	0000~0007	0000	0000	0000
A15	(NO DISPLAY)	0000~0003	0000	0000	0000
A16	(NO DISPLAY)	0000~0003	0000	0000	0000
A17	(NO DISPLAY)	0000~0003	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PDA01	(NO DISPLAY)	0000~0255	0000	0000	0000
PDA02	(NO DISPLAY)	0000~0255	0031	0031	0031
PDA03	(NO DISPLAY)	0000~0255	0085	0085	0085
PDA04	(NO DISPLAY)	0000~0255	0004	0004	0004
PDA05	(NO DISPLAY)	0000/0001	0001	0001	0001
PDA06	(NO DISPLAY)	0000/0001	0000	0000	0000
PDA07	(NO DISPLAY)	0000~0255	0150	0150	0150
PDA08	(NO DISPLAY)	0000~0255	0150	0150	0150
PDA09	(NO DISPLAY)	0000~0255	0002	0002	0002
PDA10	(NO DISPLAY)	0000~0255	0060	0060	0060
PDA11	(NO DISPLAY)	0000~0255	0000	0000	0000
PDA12	(NO DISPLAY)	0000~0127	0000	0000	0000

3.7.2 [3.AUDIO] (MULTISOUND SYSTEM) (*All fixed)

Item No.	Item	Variable range	Setting value	
			PAL	SECAM
1	ERROR LIMIT	0000~0FF0	0100	0100
2	A2 ID THR	0000~00FF	0019	0019
3	Q-PEAK	-	-	-
4	SOUND LEVEL	F00F~FFFF	FFFF	FFFF

3.7.3 [4.DD/CM]

NOTE:

- For reference, initial setting values (except OSD-G/B/R) in the following conditions are written here.
 Input signal :PAL/SECAM/NTSC
 Picture mode :Standard
 Zoom :Full
 Multi screen :Single screen
 Colour temp. :Normal

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
DDT01	(NO DISPLAY)	0000~0015	0000	0000	0000
DDT02	(NO DISPLAY)	0000~0255	0022	0022	0020
DDT03	(NO DISPLAY)	0000~0255	0240	0240	0174
DDT04	(NO DISPLAY)	0000~0255	0255	0255	0255
DDT05	(NO DISPLAY)	0000~0255	0255	0255	0000
DDT06	(NO DISPLAY)	0000~0255	0255	0255	0255
DDT07	(NO DISPLAY)	0000~0003	0000	0000	0000
DDT08	(NO DISPLAY)	0000~0255	0255	0255	0255
DDT09	(NO DISPLAY)	0000~0003	0000	0000	0000
DDT10	(NO DISPLAY)	0000~0255	0000	0000	0000
DDT11	(NO DISPLAY)	0000~0007	0000	0000	0002
DDT12	(NO DISPLAY)	0000~0255	0090	0090	0115

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
DDT13	(NO DISPLAY)	0000~0255	0000	0000	0000
DDT14	(NO DISPLAY)	0000~0003	0000	0000	0001
DDT15	(NO DISPLAY)	0000~0007	0000	0000	0000
DDT16	(NO DISPLAY)	0000~0255	0021	0021	0123
DDT17	(NO DISPLAY)	0000/0001	0001	0001	0001
DDT18	(NO DISPLAY)	0000/0001	0001	0001	0000
DDT19	(NO DISPLAY)	0000~0063	0001	0001	0001
DDT20	(NO DISPLAY)	0000~0015	0000	0000	0000
DDT21	(NO DISPLAY)	0000~0015	0000	0000	0000
DDT22	(NO DISPLAY)	0000~0015	0000	0000	0000
DDT23	(NO DISPLAY)	0000~0015	0000	0000	0000
DDT24	(NO DISPLAY)	0000/0001	0000	0000	0000
DDT25	(NO DISPLAY)	0000/0001	0000	0000	0000
DDT26	(NO DISPLAY)	0000/0001	0000	0000	0000
DDT27	(NO DISPLAY)	0000~0007	0000	0000	0000
DDT28	(NO DISPLAY)	0000~0255	0250	0250	0120
DDT29	(NO DISPLAY)	0000~0003	0000	0000	0002
DDT30	(NO DISPLAY)	0000/0001	0000	0000	0000
DDT31	(NO DISPLAY)	0000~0007	0005	0005	0000
DDT32	(NO DISPLAY)	0000~0255	0170	0170	0010
DDT33	(NO DISPLAY)	0000~0255	0000	0000	0000
DDT34	(NO DISPLAY)	0000~0255	0032	0032	0042

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
CMT01	(NO DISPLAY)	0000~0003	0000	0000	0000
CMT02	(NO DISPLAY)	0000~0255	0104	0104	0093
CMT03	(NO DISPLAY)	0000~0255	0020	0020	0010
CMT04	(NO DISPLAY)	0000~0255	0020	0020	0020
CMT05	(NO DISPLAY)	0000~0063	0062	0062	-004
CMT06	(NO DISPLAY)	-128~0127	0005	0005	0001
CMT07	(NO DISPLAY)	-128~0127	0000	0000	0000
CMT08	(NO DISPLAY)	-128~0127	-004	-004	-004
CMT09	(NO DISPLAY)	-128~0127	0000	0000	0000
CMT10	(NO DISPLAY)	0000~0003	0000	0000	0000
CMT11	(NO DISPLAY)	0000~0255	0155	0155	0164
CMT12	(NO DISPLAY)	0000~0255	0020	0020	0020
CMT13	(NO DISPLAY)	0000~0255	0020	0020	0020
CMT14	(NO DISPLAY)	0000~0063	0057	0057	-002
CMT15	(NO DISPLAY)	-128~0127	0005	0005	0007
CMT16	(NO DISPLAY)	-128~0127	0000	0000	0000
CMT17	(NO DISPLAY)	-128~0127	0000	0000	0000
CMT18	(NO DISPLAY)	-128~0127	0000	0000	0000
CMT19	(NO DISPLAY)	0000~0003	0000	0000	0000
CMT20	(NO DISPLAY)	0000~0255	0191	0191	0187
CMT21	(NO DISPLAY)	0000~0255	0040	0040	0030
CMT22	(NO DISPLAY)	0000~0255	0030	0030	0030
CMT23	(NO DISPLAY)	0000~0063	0057	0057	-005

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
CMT24	(NO DISPLAY)	-128~0127	0010	0010	0003
CMT25	(NO DISPLAY)	-128~0127	0020	0020	0010
CMT26	(NO DISPLAY)	-128~0127	0010	0010	0005
CMT27	(NO DISPLAY)	-128~0127	0015	0015	0010
CMT28	(NO DISPLAY)	0000~0003	0001	0001	0001
CMT29	(NO DISPLAY)	0000~0255	0078	0078	0038
CMT30	(NO DISPLAY)	0000~0255	0030	0030	0035
CMT31	(NO DISPLAY)	0000~0255	0030	0030	0040
CMT32	(NO DISPLAY)	0000~0063	0057	0057	-004
CMT33	(NO DISPLAY)	-128~0127	0010	0010	0013
CMT34	(NO DISPLAY)	-128~0127	0010	0010	0012
CMT35	(NO DISPLAY)	-128~0127	0000	0000	-003
CMT36	(NO DISPLAY)	-128~0127	0015	0015	0020
CMT37	(NO DISPLAY)	0000~0255	0064	0064	0064
CMT38	(NO DISPLAY)	0000~0255	0064	0064	0064
CMT39	(NO DISPLAY)	0000~0255	0074	0074	0088
CMT40	(NO DISPLAY)	-128~0127	0000	0000	0000
CMT41	(NO DISPLAY)	-128~0127	0010	0010	0010
CMT42	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT43	(NO DISPLAY)	0000~0255	0128	0128	0128
CMT44	(NO DISPLAY)	0000/0001	0001	0001	0001
CMT45	(NO DISPLAY)	0000~0255	0080	0080	0000
CMT46	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT47	(NO DISPLAY)	0000~0255	0070	0070	0128
CMT48	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT49	(NO DISPLAY)	0000/0001	0001	0001	0001
CMT50	(NO DISPLAY)	0000~0031	0021	0021	0000
CMT51	(NO DISPLAY)	0000~0031	0021	0021	0000
CMT52	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT53	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT54	(NO DISPLAY)	0000~0003	0000	0000	0000
CMT55	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT56	(NO DISPLAY)	0000/0001	0001	0001	0001
CMT57	(NO DISPLAY)	0000/0001	0000	0000	0001

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
DDP01	(NO DISPLAY)	0000~0003	0000	0000	0000
DDP02	(NO DISPLAY)	0000~0255	0032	0032	0032
DDP03	(NO DISPLAY)	0000~0003	0000	0000	0000
DDP04	(NO DISPLAY)	0000~0255	0001	0001	0001
DDP05	(NO DISPLAY)	0000~0255	0000	0000	0000
DDP06	(NO DISPLAY)	0000~0003	0000	0000	0001
DDP07	(NO DISPLAY)	0000~0031	0000	0000	0001
DDP08	(NO DISPLAY)	0000~0007	0000	0000	0000
DDP09	(NO DISPLAY)	0000~0255	0118	0118	0100
DDP10	(NO DISPLAY)	0000~0007	0001	0001	0001
DDP11	(NO DISPLAY)	0000~0255	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
DDP12	(NO DISPLAY)	0000~0007	0006	0006	0006
DDP13	(NO DISPLAY)	0000~0007	0004	0004	0002
DDP14	(NO DISPLAY)	0000~0003	0002	0002	0000
DDP15	(NO DISPLAY)	0000~0015	0000	0000	0001
DDP16	(NO DISPLAY)	0000~0015	0005	0005	0007
DDP17	(NO DISPLAY)	0000~0015	0003	0003	0004
DDP18	(NO DISPLAY)	0000/0001	0000	0000	0000
DDP19	(NO DISPLAY)	0000/0001	0001	0001	0001
DDP20	(NO DISPLAY)	0000~0015	0010	0010	0010
DDP21	(NO DISPLAY)	0000~0015	0006	0006	0006
DDP22	(NO DISPLAY)	0000~0015	0010	0010	0010
DDP23	(NO DISPLAY)	0000~0015	0006	0006	0006
DDP24	(NO DISPLAY)	0000~0015	0010	0010	0010
DDP25	(NO DISPLAY)	0000~0015	0006	0006	0006
DDP26	(NO DISPLAY)	0000~0015	0006	0006	0006
DDP27	(NO DISPLAY)	0000~0015	0010	0010	0010
DDP28	(NO DISPLAY)	0000~0015	0006	0006	0006
DDP29	(NO DISPLAY)	0000~0015	0010	0010	0010
DDP30	(NO DISPLAY)	0000~0015	0010	0010	0010
DDP31	(NO DISPLAY)	0000~0015	0006	0006	0006
DDP32	(NO DISPLAY)	0000~0255	0013	0013	0013
DDP33	(NO DISPLAY)	0000~0255	0133	0133	0133
DDP34	(NO DISPLAY)	0000~0255	0102	0102	0102
DDP35	(NO DISPLAY)	0000~0255	0144	0144	0144
DDP36	(NO DISPLAY)	0000~0255	0013	0013	0013
DDP37	(NO DISPLAY)	0000~0063	0048	0048	0048

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
CMP01	(NO DISPLAY)	0000/0001	0000	0000	0000
CMP02	(NO DISPLAY)	0000/0001	0001	0001	0000
CMP03	(NO DISPLAY)	0000/0001	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
OSD-G	(NO DISPLAY)	0000~0255	0128	0128	0128
OSD-B	(NO DISPLAY)	0000~0255	0142	0142	0128
OSD-R	(NO DISPLAY)	0000~0255	0128	0128	0128

3.7.4 [7.VNR] (*All fixed)**NOTE:**

- For reference, initial setting values in the following conditions are written here.

Input signal :PAL/SECAM/NTSC

Picture mode :Standard

Zoom :Full

Multi screen :Single screen

Colour temp. :Normal

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
1	MYLV	0000~000F	000E	000E	000E
2	ONMVF	0000/0001	0001	0001	0001
3	MYCOR	0000~001F	0003	0003	0003
4	MYGA	0000~0003	0002	0002	0002
5	YEGON	0000/0001	0001	0001	0001
6	YEGL	0000~000F	0000	0000	0000
7	YL TL	0000~007F	0009	0009	0009
8	MCLV	0000~000F	000E	000E	000E
9	MCGA	0000~0003	0002	0002	0002
10	MCCOR	0000~001F	0003	0003	0003
11	CLTL	0000~007F	0009	0009	0009
12	YNGA	0000~0003	0003	0003	0003
13	COR_OF	0000/0001	0000	0000	0000
14	LPF_OF	0000/0001	0000	0000	0000
15	YCTL	0000~000F	0004	0004	0004
16	YNCL	0000~000F	000E	000E	000E
17	YNCON	0000/0001	0001	0001	0001

3.7.5 [8.IP] (*All fixed)**NOTE:**

- For reference, initial setting values in the following conditions are written here.

Input signal :PAL/SECAM/NTSC

Picture mode :Standard

Zoom :Full

Multi screen :Single screen

Colour temp. :Normal

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPA001	(NO DISPLAY)	0000~00FF	0040	0040	0040
PPA002	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPA003	(NO DISPLAY)	0000~00FF	0053	0056	0056
PPA004	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPA005	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPA006	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPA007	(NO DISPLAY)	0000~00FF	0053	0056	0056
PPA008	(NO DISPLAY)	0000~00FF	0031	0031	0031

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPB001	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB002	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB003	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB004	(NO DISPLAY)	0000~001F	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPB005	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB006	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB007	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB008	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB009	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB010	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB011	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB012	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB013	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB014	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB015	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB016	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB017	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB018	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB019	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB020	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB021	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB022	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB023	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB024	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB025	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB026	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB027	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB028	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB029	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB030	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB031	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB032	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB033	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB034	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB035	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB036	(NO DISPLAY)	0000~00FF	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPC001	(NO DISPLAY)	0000~000F	0000	0000	0000
PPC002	(NO DISPLAY)	0000~00FF	000F	0019	0019
PPC003	(NO DISPLAY)	0000~00FF	0000	0002	0002
PPC004	(NO DISPLAY)	0000~000F	0000	0000	0000
PPC005	(NO DISPLAY)	0000~00FF	007C	007C	007C
PPC006	(NO DISPLAY)	0000~000F	0000	0000	0000
PPC007	(NO DISPLAY)	0000~00FF	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPD001	(NO DISPLAY)	0000~00FF	0062	0062	0062
PPD002	(NO DISPLAY)	0000~00FF	0002	0002	0002
PPD003	(NO DISPLAY)	0000~00FF	00F7	00F7	00F7

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPD004	(NO DISPLAY)	0000~00FF	0002	0002	0002
PPD005	(NO DISPLAY)	0000~00FF	0038	0038	0038
PPD006	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPD007	(NO DISPLAY)	0000~00FF	001A	001A	001A
PPD008	(NO DISPLAY)	0000~00FF	0001	0001	0001
PPD009	(NO DISPLAY)	0000~00FF	0050	0050	0050
PPD010	(NO DISPLAY)	0000~00FF	0002	0002	0002
PPD011	(NO DISPLAY)	0000~00FF	00FB	00FB	00FB
PPD012	(NO DISPLAY)	0000~00FF	0002	0002	0002
PPD013	(NO DISPLAY)	0000~00FF	002E	002E	002E
PPD014	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPD015	(NO DISPLAY)	0000~00FF	0058	0058	0058
PPD016	(NO DISPLAY)	0000~00FF	0001	0001	0001

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
ADS001	(NO DISPLAY)	0000~00FF	00D7	00D7	00D7
ADS002	(NO DISPLAY)	0000~000F	0000F	0000F	0000F
ADS003	(NO DISPLAY)	0000~0003	0001	0001	0001
ADS004	(NO DISPLAY)	0000~0007	0005	0005	0005
ADS005	(NO DISPLAY)	0000~001F	0016	0016	0016
ADS006	(NO DISPLAY)	0000~00FF	0028	0028	0028
ADS007	(NO DISPLAY)	0000~00FF	0096	0096	0096
ADS008	(NO DISPLAY)	0000~00FF	0020	0020	0020
ADS009	(NO DISPLAY)	0000~00FF	000FF	000FF	000FF
ADS010	(NO DISPLAY)	0000~00FF	000FF	000FF	000FF
ADS011	(NO DISPLAY)	0000~00FF	000FF	000FF	000FF
ADS012	(NO DISPLAY)	0000~007F	004A	004A	004A
ADS013	(NO DISPLAY)	0000~007F	0051	0051	0051
ADS014	(NO DISPLAY)	0000~007F	0042	0042	0042
ADS015	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS016	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS017	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS018	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS019	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS020	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS021	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS022	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS023	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS024	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS025	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS026	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS027	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS028	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS029	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS030	(NO DISPLAY)	0000~001F	0003	0003	0003
ADS031	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS032	(NO DISPLAY)	0000/0001	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
ADS033	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS034	(NO DISPLAY)	0000~00FF	0002	0002	0002

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPA001	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA002	(NO DISPLAY)	0000~003F	0022	0022	0022
IPA003	(NO DISPLAY)	0000~003F	0022	0022	0022
IPA004	(NO DISPLAY)	0000~003F	0000	0000	0000
IPA005	(NO DISPLAY)	0000~0003	0001	0001	0001
IPA006	(NO DISPLAY)	0000~0003	0001	0001	0001
IPA007	(NO DISPLAY)	0000~000F	000F	000F	000F
IPA008	(NO DISPLAY)	0000~003F	0000	0000	0000
IPA009	(NO DISPLAY)	0000~003F	000B	000B	000B
IPA010	(NO DISPLAY)	0000~003F	0018	0018	0018
IPA011	(NO DISPLAY)	0000~003F	0018	0018	0018
IPA012	(NO DISPLAY)	0000~003F	0020	0020	0020
IPA013	(NO DISPLAY)	0000~0003	0001	0001	0001
IPA014	(NO DISPLAY)	0000~0003	0002	0002	0002
IPA015	(NO DISPLAY)	0000~000F	000F	000F	000F
IPA016	(NO DISPLAY)	0000~003F	0004	0004	0004
IPA017	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA018	(NO DISPLAY)	0000~003F	000B	000B	000B
IPA019	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA020	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA021	(NO DISPLAY)	0000~003F	0030	0030	0030
IPA022	(NO DISPLAY)	0000~0003	0001	0001	0001
IPA023	(NO DISPLAY)	0000~003F	000A	000A	000A
IPA024	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA025	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA026	(NO DISPLAY)	0000~003F	0030	0030	0030
IPA027	(NO DISPLAY)	0000~0003	0001	0001	0001
IPA028	(NO DISPLAY)	0000~003F	000A	000A	000A
IPA029	(NO DISPLAY)	0000~003F	0000	0000	0000
IPA030	(NO DISPLAY)	0000~000F	000F	000F	000F
IPA031	(NO DISPLAY)	0000~0007	0002	0002	0002
IPA032	(NO DISPLAY)	0000~003F	0000	0000	0000
IPA033	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA034	(NO DISPLAY)	0000~003F	0000	0000	0000
IPA035	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA036	(NO DISPLAY)	0000~003F	000D	000D	000D
IPA037	(NO DISPLAY)	0000~003F	000D	000D	000D
IPA038	(NO DISPLAY)	0000~003F	0010	0010	0010
IPA039	(NO DISPLAY)	0000~0003	0001	0001	0001
IPA040	(NO DISPLAY)	0000~0003	0001	0001	0001
IPA041	(NO DISPLAY)	0000~000F	000F	000F	000F
IPA042	(NO DISPLAY)	0000~003F	0005	0005	0005
IPA043	(NO DISPLAY)	0000~003F	0008	0008	0008

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPA044	(NO DISPLAY)	0000~003F	0020	0020	0020
IPA045	(NO DISPLAY)	0000~003F	0020	0020	0020
IPA046	(NO DISPLAY)	0000~003F	0020	0020	0020
IPA047	(NO DISPLAY)	0000~0003	0002	0002	0002
IPA048	(NO DISPLAY)	0000~0003	0002	0002	0002
IPA049	(NO DISPLAY)	0000~000F	0007	0007	0007
IPA050	(NO DISPLAY)	0000~003F	0008	0008	0008
IPA051	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA052	(NO DISPLAY)	0000~003F	0008	0008	0008
IPA053	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA054	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA055	(NO DISPLAY)	0000~003F	0015	0015	0015
IPA056	(NO DISPLAY)	0000~0003	0000	0000	0000
IPA057	(NO DISPLAY)	0000~003F	000A	000A	000A
IPA058	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA059	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA060	(NO DISPLAY)	0000~003F	0015	0015	0015
IPA061	(NO DISPLAY)	0000~0003	0000	0000	0000
IPA062	(NO DISPLAY)	0000~003F	000A	000A	000A
IPA063	(NO DISPLAY)	0000~003F	003F	003F	003F
IPA064	(NO DISPLAY)	0000~000F	0006	0006	0006
IPA065	(NO DISPLAY)	0000~0007	0001	0001	0001
IPA066	(NO DISPLAY)	0000~003F	0008	0008	0008
IPA067	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA068	(NO DISPLAY)	0000~003F	0007	0007	0007
IPA069	(NO DISPLAY)	0000~0003	0000	0000	0000
IPA070	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA071	(NO DISPLAY)	0000~000F	0005	0005	0005
IPA072	(NO DISPLAY)	0000~00FF	00DB	00DB	00DB
IPA073	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA074	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA075	(NO DISPLAY)	0000~00FF	0018	0018	0018
IPA076	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA077	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA078	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA079	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA080	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA081	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA082	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA083	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA084	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA085	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA086	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA087	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA088	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA089	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA090	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA091	(NO DISPLAY)	0000~000F	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPA092	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA093	(NO DISPLAY)	0000~000F	0006	0006	0006
IPA094	(NO DISPLAY)	0000~00FF	0071	0071	0071
IPA095	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA096	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA097	(NO DISPLAY)	0000~000F	0005	0005	0005
IPA098	(NO DISPLAY)	0000~00FF	00DD	00DD	00DD
IPA099	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA100	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA101	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA102	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA103	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA104	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA105	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA106	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA107	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA108	(NO DISPLAY)	0000~00FF	0080	0080	0080
IPA109	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA110	(NO DISPLAY)	0000~00FF	0040	0040	0040
IPA111	(NO DISPLAY)	0000~000F	0005	0005	0005
IPA112	(NO DISPLAY)	0000~00FF	0040	0040	0040
IPA113	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA114	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA115	(NO DISPLAY)	0000~000F	0002	0002	0002
IPA116	(NO DISPLAY)	0000~00FF	00EF	00EF	00EF
IPA117	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA118	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA119	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA120	(NO DISPLAY)	0000/0001	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPB001	(NO DISPLAY)	0000~00FF	0001	0001	0001
IPB002	(NO DISPLAY)	0000~00FF	004A	0003	0003
IPB003	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB004	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB005	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB006	(NO DISPLAY)	0000~00FF	0086	0062	0062
IPB007	(NO DISPLAY)	0000~000F	0002	0002	0002
IPB008	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB009	(NO DISPLAY)	0000~000F	0000	0001	0001
IPB010	(NO DISPLAY)	0000~00FF	0000	00A0	00A0
IPB011	(NO DISPLAY)	0000~000F	0000	0001	0001
IPB012	(NO DISPLAY)	0000~00FF	0000	0001	0001
IPB013	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB014	(NO DISPLAY)	0000~00FF	0000	00A8	00A8
IPB015	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB016	(NO DISPLAY)	0000~00FF	0000	0058	0058

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPB017	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB018	(NO DISPLAY)	0000~00FF	0000	0028	0028
IPB019	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB020	(NO DISPLAY)	0000~00FF	0000	0026	0026
IPB021	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB022	(NO DISPLAY)	0000~00FF	0000	0022	0022
IPB023	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB024	(NO DISPLAY)	0000~00FF	0000	0024	0024
IPB025	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB026	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB027	(NO DISPLAY)	0000~000F	000F	000F	000F
IPB028	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB029	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB030	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB031	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB032	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB033	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB034	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB035	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB036	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB037	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB038	(NO DISPLAY)	0000~0007	0000	0000	0000
IPB039	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB040	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB041	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB042	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB043	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB044	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB045	(NO DISPLAY)	0000~000F	0001	0001	0001
IPB046	(NO DISPLAY)	0000~00FF	008B	008B	008B
IPB047	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB048	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB049	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB050	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB051	(NO DISPLAY)	0000~000F	0000	0006	0006
IPB052	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB053	(NO DISPLAY)	0000~000F	0000	0001	0001
IPB054	(NO DISPLAY)	0000~00FF	0000	0056	0056
IPB055	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB056	(NO DISPLAY)	0000~00FF	0000	0024	0024
IPB057	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB058	(NO DISPLAY)	0000~00FF	0000	00FC	00FC
IPB059	(NO DISPLAY)	0000~0007	0000	0002	0002
IPB060	(NO DISPLAY)	0000~0003	0000	0000	0000
IPB061	(NO DISPLAY)	0000~0003	0000	0000	0000
IPB062	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB063	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB064	(NO DISPLAY)	0000~00FF	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPB065	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB066	(NO DISPLAY)	0000/0001	009D	009D	009D
IPB067	(NO DISPLAY)	0000~000F	0006	0006	0006
IPB068	(NO DISPLAY)	0000~000F	0040	0040	0040
IPB069	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB070	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB071	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB072	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB073	(NO DISPLAY)	0000~00FF	0050	0050	0050
IPB074	(NO DISPLAY)	0000/0001	0080	0080	0080
IPB075	(NO DISPLAY)	0000/0001	0080	0080	0080
IPB076	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB077	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB078	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB079	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB080	(NO DISPLAY)	0000~000F	000F	000F	000F
IPB081	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB082	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB083	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB084	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB085	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB086	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB087	(NO DISPLAY)	0000~000F	000B	000B	000B
IPB088	(NO DISPLAY)	0000/0001	0001	0001	0001

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPC001	(NO DISPLAY)	0000~0003	0002	0002	0002
IPC002	(NO DISPLAY)	0000~00FF	00EA	00EA	00EA
IPC003	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC004	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC005	(NO DISPLAY)	0000~000F	0000	0000	0000
IPC006	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPC007	(NO DISPLAY)	0000~000F	0005	0005	0005
IPC008	(NO DISPLAY)	0000~00FF	00DB	00DB	00DB
IPC009	(NO DISPLAY)	0000~000F	0007	0007	0007
IPC010	(NO DISPLAY)	0000~00FF	00B9	00B9	00B9
IPC011	(NO DISPLAY)	0000~000F	0000	0000	0000
IPC012	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPC013	(NO DISPLAY)	0000~0003	0000	0000	0000
IPC014	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC015	(NO DISPLAY)	0000/0001	0001	0001	0001
IPC016	(NO DISPLAY)	0000~00FF	001F	001F	001F
IPC017	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC018	(NO DISPLAY)	0000~007F	0000	0000	0000
IPC019	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC020	(NO DISPLAY)	0000~007F	0001	0001	0001
IPC021	(NO DISPLAY)	0000~000F	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPC022	(NO DISPLAY)	0000~00FF	00FE	00FE	00FE
IPC023	(NO DISPLAY)	0000~0003	0000	0000	0000
IPC024	(NO DISPLAY)	0000~00FF	0040	0040	0040
IPC025	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC026	(NO DISPLAY)	0000~007F	0020	0020	0020
IPC027	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC028	(NO DISPLAY)	0000~007F	0000	0000	0000
IPC029	(NO DISPLAY)	0000/0001	0001	0001	0001
IPC030	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC031	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC032	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC033	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC034	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC035	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC036	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC037	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC038	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC039	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC040	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC041	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC042	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC043	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC044	(NO DISPLAY)	0000/0001	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPD001	(NO DISPLAY)	0000~00FF	0040	0040	0040
IPD002	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD003	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD004	(NO DISPLAY)	0000~0007	0000	0000	0000
IPD005	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD006	(NO DISPLAY)	0000~0007	0006	0006	0006
IPD007	(NO DISPLAY)	0000~00FF	0018	0018	0018
IPD008	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD009	(NO DISPLAY)	0000~000F	0001	0001	0001
IPD010	(NO DISPLAY)	0000~00FF	0062	0062	0062
IPD011	(NO DISPLAY)	0000~000F	0005	0005	0005
IPD012	(NO DISPLAY)	0000~00FF	002B	002B	002B
IPD013	(NO DISPLAY)	0000~0007	0000	0000	0000
IPD014	(NO DISPLAY)	0000~0007	0000	0000	0000
IPD015	(NO DISPLAY)	0000/0001	0002	0002	0002
IPD016	(NO DISPLAY)	0000/0001	0002	0002	0002
IPD017	(NO DISPLAY)	0000~00FF	0002	0002	0002
IPD018	(NO DISPLAY)	0000~0007	0002	0002	0002
IPD019	(NO DISPLAY)	0000~00FF	0002	0002	0002
IPD020	(NO DISPLAY)	0000~0007	0002	0002	0002
IPD021	(NO DISPLAY)	0000~00FF	0070	0070	0070
IPD022	(NO DISPLAY)	0000/0001	0080	0080	0080
IPD023	(NO DISPLAY)	0000~000F	0080	0080	0080

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPD024	(NO DISPLAY)	0000~00FF	0070	0070	0070
IPD025	(NO DISPLAY)	0000~000F	0060	0060	0060
IPD026	(NO DISPLAY)	0000~00FF	0050	0050	0050
IPD027	(NO DISPLAY)	0000~00FF	0040	0040	0040
IPD028	(NO DISPLAY)	0000~0007	0002	0002	0002
IPD029	(NO DISPLAY)	0000~0007	0001	0001	0001
IPD030	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD031	(NO DISPLAY)	0000/0001	0001	0001	0001
IPD032	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD033	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD034	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD035	(NO DISPLAY)	0000~0003	0000	0000	0000
IPD036	(NO DISPLAY)	0000~000F	0000	0000	0000
IPD037	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD038	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD039	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD040	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD041	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD042	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD043	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD044	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD045	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD046	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD047	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD048	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD049	(NO DISPLAY)	0000~00FF	0090	0090	0090
IPD050	(NO DISPLAY)	0000~0007	0000	0000	0000
IPD051	(NO DISPLAY)	0000~00FF	001D	001D	001D
IPD052	(NO DISPLAY)	0000~0007	0002	0002	0002
IPD053	(NO DISPLAY)	0000~00FF	00E6	00E6	00E6
IPD054	(NO DISPLAY)	0000/0001	0001	0001	0001
IPD055	(NO DISPLAY)	0000~000F	0001	0001	0001
IPD056	(NO DISPLAY)	0000~00FF	000E	000E	000E
IPD057	(NO DISPLAY)	0000~000F	0004	0004	0004
IPD058	(NO DISPLAY)	0000~00FF	00C0	00C0	00C0

3.8 ADJUSTMENT PROCEDURE

3.8.1 DISPLAY UNIT

Item	Measuring instrument	Test point	Adjustment part	Description
PDP POWER SUPPLY VOLTAGE	DC voltmeter	Connector CN0C4	Vs VR :170V ADJ (R628)	CAUTION: During adjustment operation of PDP POWER SUPPLY VOLTAGE, don't touch the heat sink of the PDP POWER PWB. If you touch it, electric shock may be caused. (See Fig.2)
	Signal generator	[PDP POWER PWB]	Vd VR : 60V ADJ (R721)	
	Resistor (5ohm ±20% / 5W)			

Item measured	CN0AU/CN0AT Disconnected	CN0AU/CN0AT Connected	Adjustment VR
Vs	Designated value for panel ±0.5V	Designated value for panel ±0.5V	R628
Vd	Designated value for panel ±0.5V	Designated value for panel ±0.5V	R721
5V	5.25 ± 0.15V	5.20 ± 0.15V	-

CN0C4 (PDP POWER PWB: Chassis base)

Vs 1

NC 2

Vd 3

NC 4

5V 5

GND 6

5Ω/5W (Load resistor)

5V Vd Vs

Fig.1

Designated panel voltage Vs/Vd voltage label

DANGER ! HAZARDOUS LIVE PARTS

R628 170V ADJ

Voltage adjustment VR (Vs, Vd)

CN0AU

CN0AT

R721 60V ADJ

CN0C4 Connector for adjustment Fig.1

SYSTEM POWER PWB

AUDIO PWB

LINE FILTER PWB

PDP POWER PWB

DISPLAY INTERFACE PWB

Chassis Base

Display Input Terminal

Designated value for panel / layout of adjustment VR (Rear view)

Fig.2

<When PDP POWER PWB is not replaced>

(1) Connect the load resistor (5Ω/5W) to the CN0C4 connector on the PDP POWER PWB. (See Fig.1)

(2) Adjust Vs (170V ADJ) VR and Vd (60V ADJ) VR such that the Vs and Vd load resistor voltage tally with those in the table.

(3) Ensure that the voltage between pins 5 and 6 of CN0C4 (5V) coincides with the table's value.

(4) Input a PAL (625i) all-black signal and check that voltage coincides with the values in the table.

(5) Readjust if the adjusted value is different from those in the table.

NOTE:

Designated value for the panel is printed on a small label on the top left corner at the back of the PDP. (See Fig.2)

<When PDP POWER PWB is replaced>

CAUTION:

Before making adjustments, be sure not to turn on the power when the CN0AT and CN0AU connectors are connected, as this may cause the PDP to break down.

(1) Disconnect the CN0AT and CN0AU connectors on the PDP POWER PWB.

(2) Connect the load resistor (5Ω/5W) to the CN0C4 connector and turn on the power.

(3) Adjust Vs (170V ADJ) VR and Vd (60V ADJ) VR so that the Vs and Vd voltage coincides with the values in the table.

(4) Ensure that the voltage between pins 5 and 6 of CN0C4 (5V) coincides with the values in the table.

(5) Turn off the power, and connect the CN0AT and CN0AU connectors and turn on the power again.

(6) Input a PAL (625i) all-black signal and check that it coincides with the values in the table.

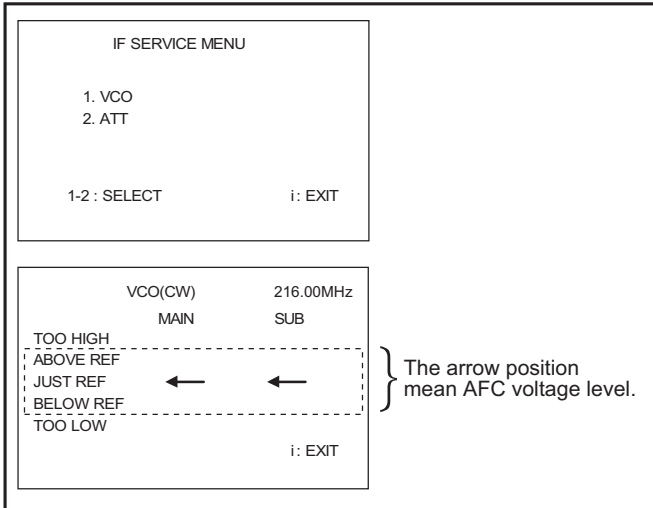
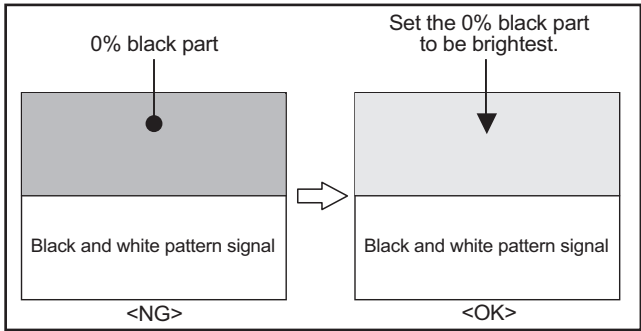
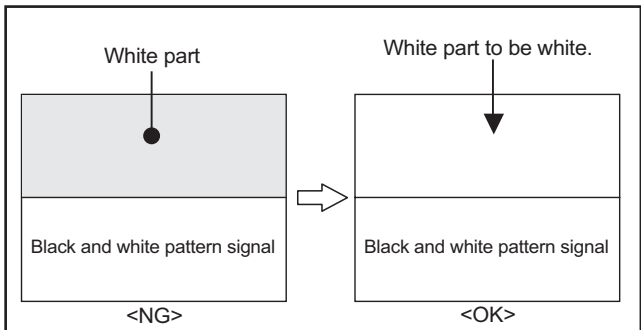
(7) If the adjusted value is different from those in the table, fine-tune without unplugging the connectors.

CAUTION:

Designated power supply voltage of the panel (Vs, Vd) varies according to the PDP unit. (See Fig.2)

Pay careful attention during adjustment, as any error in procedure may cause the PDP to break down.

3.8.2 RECEIVER UNIT

Item	Measuring instrument	Test point	Adjustment part	Description
VCO (AFC) check	Remote control unit Signal generator		[1.IF]	(1) Receive a PAL colour bar signal. (2) Select "1. IF" from the SERVICE MENU. (3) Select "1. VCO." (4) Make sure that an arrow of "MAIN" is in the position between "ABOVE REF." and "BELOW REF." on the screen (5) Make sure that an arrow of "SUB" is in the position between "ABOVE REF." and "BELOW REF." on the screen.
 <p style="text-align: center;">Fig.3</p>				
SUB BRIGHTNESS	Remote control unit Signal generator		[2.V/C] 9. BRIGHT (Bright)	(1) Receive a PAL black and white pattern signal (including 0% black signal). (2) Select "2. V/C" from the SERVICE MENU. (3) Adjust <9. BRIGHT> (Bright) to set the 0% black part to be the brightest. (4) Press the [OK] key to save the value.
				
SUB CONTRAST	Remote control unit Signal generator		[2. V/C] 10. CONT (Contrast)	(1) Receive a PAL black and white pattern signal (colour off). (2) Select "2. V/C" from the SERVICE MENU. (3) Adjust <10. CONT> (Contrast) to set the white part to be white. (4) Press the [OK] key to save the value.
				

Item	Measuring instrument	Test point	Adjustment part	Description
SUB-SCREEN BRIGHTNESS	Remote control unit Signal generator		[2. V/C] 11. TWN BRG (Sub-screen bright)	<p>(1) Receive a PAL black and white pattern signal (including 0% black signal). (2) Select "2. V/C" from the SERVICE MENU. (3) Adjust <11. TWN BRG> (Sub-screen bright) to set the 0% black part in the sub (right) screen to be the brightest.</p> <p>NOTE: If you select an adjustment item <11.TWN BRG>, then the screen automatically turns to twin pictures mode.</p> <p>(4) Press the [OK] key to save the value.</p>
<p>Fig.6</p>				
SUB-SCREEN A-D OFFSET	Remote control unit Signal generator		[2. V/C] 7. TWN HI R (Sub-screen high light red) 8. TWN HI B (Sub-screen high light blue)	<p>(1) Receive a PAL black and white pattern signal (including 0% black signal). (2) Select "2. V/C" from the SERVICE MENU. (3) Adjust <7.TWN HI R>(Sub-screen high light red) to minimize the red noise in the upper half of the sub (right) screen. (See Fig.7)</p> <p>NOTE: If you select an adjustment item <7. TWN HI R>, then the screen automatically turns to twin pictures mode.</p> <p>(4) Press the [OK] key to save the value. (5) Adjust <8.TWN HI B>(Sub-screen high light blue) to minimize the blue noise in the upper half of the sub (right) screen. (See Fig.7) (6) Press the [OK] key to save the value.</p>
<p>Fig.7</p>				
SUB-SCREEN CONTRAST	Remote control unit Signal generator		[2. V/C] 12. TWN CNT (Sub-screen contrast)	<p>(1) Receive a PAL black and white pattern signal (colour off). (2) Select "2. V/C" from the SERVICE MENU. (3) Adjust <12. TWN CNT> (Sub-screen contrast) to set the white part in the sub (right) screen to be white.</p> <p>NOTE: If you select an adjustment item <12.TWN CNT>, then the screen automatically turns to twin pictures mode.</p> <p>(4) Press the [OK] key to save the value.</p>
<p>Fig.8</p>				

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (HIGH LIGHT)	Remote control unit Signal generator		[2. V/C] S13: R GAIN S15: G GAIN S17: B GAIN	<p>(1) Receive a PAL 75% all-white signal.</p> <p>(2) Set colour temperature to "NORMAL."</p> <p>(3) Select "2. V/C" from the SERVICE MENU.</p> <p>(4) Fix one of <S13> (R GAIN), <S15> (G GAIN), or <S17>(B GAIN). Then, lower the other two that are not fixed so that the all-white screen is equally white throughout.</p> <p>NOTE: Set one or more of <S13>, <S15>, and <S17> to 255.</p> <p>(5) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it.</p> <p>(6) Press the [OK] key to save the value.</p>
OSD OFFSET	Remote control unit Signal generator		[4.DD/CM] OSD-G (OSD green offset) OSD-B (OSD blue offset) OSD-R (OSD red offset)	<p>(1) Input a picture whose signal (synchronization state) is stable.</p> <p>(2) Select "4. DD/CM" from the SERVICE MENU.</p> <p>(3) Select <OSD-G>(OSD green offset). If you select <OSD-G>, then the screen turns to OSD adjustment mode. (See Fig.11)</p> <p>(4) Adjust <OSD-G>, <OSD-B>(OSD blue offset), and <OSD-R>(OSD red offset) so that OSD background is in the same colour as its surroundings.</p> <p>When the background is in green, fix <OSD-G> and adjust the other two. When the background is in blue, fix <OSD-B> and adjust the other two. When the background is in red, fix <OSD-R> and adjust the other two.</p> <p>(5) Press the [OK] or [MENU] key to save the value.</p> <p>(6) Check that there is no noise such as horizontal noise.</p> <p>(7) If noise is detected, lower <OSD-G>, <OSD-B>, and <OSD-R> by one level so that no noise is detected.</p>

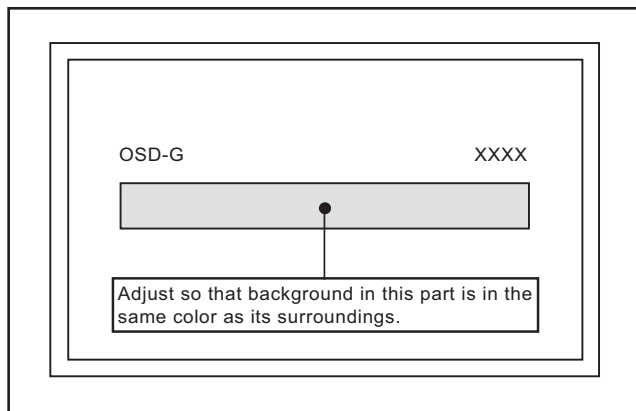


Fig.11

SECTION 4

TROUBLE SHOOTING

4.1 SELF-DIAGNOSIS FEATURE

4.1.1 OUTLINE

This model has a "Self-diagnosis function," which checks the operation state of the circuits and informs us of a failure by flashing POWER LED when a failure occurs.

Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time.

Failure detection is based on input state of I²C bus and the various control lines connected to the main microcomputer.

4.1.2 POINTS TO NOTE WHEN USING THE SELF-DIAGNOSIS FEATURE

POWER LED may flash to inform us of a failure in the following cases, in addition to when circuit failure occurs.

- (1) Temporary defective transmissions across circuits due to pulse interruptions.
- (2) Misalignment in the on/off timing of power for I²C bus (Vcc) when turning on/off the main power.

4.1.3 DETAILS

Self-diagnosis is performed for the following items

Type of error	Detection part	Receiver unit		Display unit		Detection timing	Unit
		Color of LED	State of POWER LED	Color of LED	POWER LED flash cycle		
Low bias (2.5V / 3.3V / 5V / 9 V) line short	D992 D993 D994 D995 D996 [MAIN PWB]	RED	Light	RED	Flash1.0second / Out1.0second	Detection is performed every 150ms. If nine or more consecutive errors are detected, the power is turned off (and turns to stand-by state).	Receiver
Abnormal rise of temperature in audio part of Display unit	TH6671 [AUDIO PWB]	RED	Flash every 1.0 second	RED	Flash0.1second / Out0.1second	Detection is performed every 1 second. The power is turned off if the temperature sensor operates for 10 seconds or longer.	Display
Abnormal power supply in PDP (PANEL) (short-circuit etc.)	PDP	RED	Flash every 1.0 second	GREEN	Flash0.1second / Out1.0second	Detection starts 5 seconds after the power is turned on. Detection is performed every 16mS. The power is turned off if NG continues for 700mS.	Display
Abnormal rise of internal temperature in Display unit	TH101 [PDP POWER PWB]	RED	Flash every 1.0 second	GREEN	Flash0.1second / Out0.1second	Detection starts 5 seconds after the power is turned on. Detection is performed every 16mS. The power is turned off if NG continues for 300mS.	Display
Abnormal power supply voltage (5V/Vs/Vd)	IC506 Q606 Q704 [PDP POWER PWB]						
Abnormal operation of PDP (PANEL)	PDP	RED	Flash every 1.0 second	GREEN	Flash1.0second / Out1.0second	Detection starts 5 seconds after the power is turned on. Detection is performed every 16mS. The power is turned off if NG continues for 2000mS.	Display
Abnormal rise of temperature in power supply part of Display unit	IC505 [PDP POWER PWB]	RED	Flash every 1.0 second	GREEN	Flash2.0seconds / Out2.0seconds	Detection is performed every 0.5 second. If a temperature rises beyond the temperature predetermined for detection of error over the predetermined permissible times the power is turned off.	Display

PARTS LIST

CAUTION

- The parts identified by the Δ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P. W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

CONTENTS

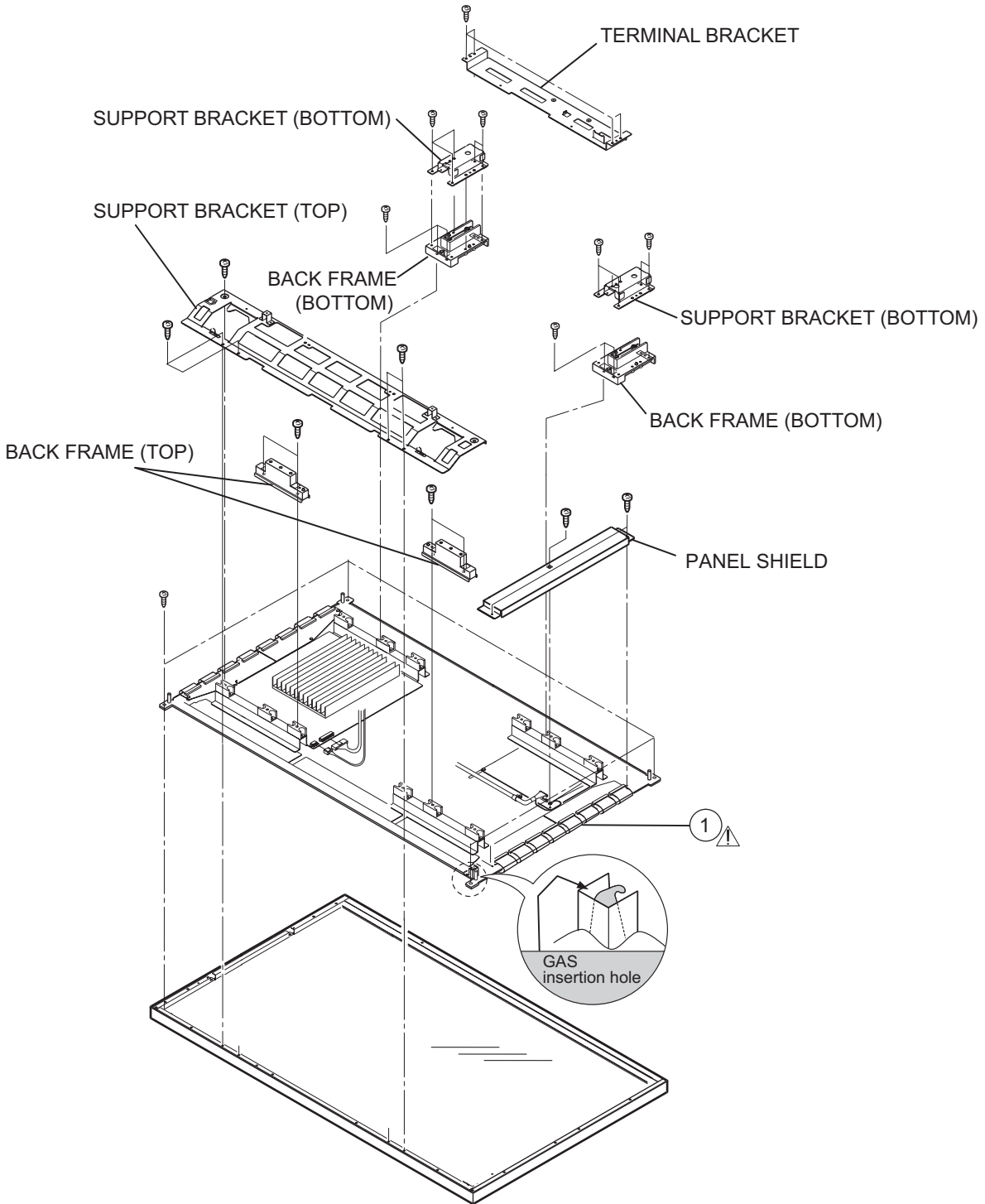
[DISPLAY UNIT : VM-42D30ES]	3-3
EXPLODED VIEW PARTS LIST - 1	3-3
EXPLODED VIEW - 1	3-3
EXPLODED VIEW PARTS LIST - 2	3-4
EXPLODED VIEW - 2	3-4
PRINTED WIRING BOARD PARTS LIST	3-6
AUDIO PW BOARD ASS'Y (SMK-6065A-U2)	3-6
SPEAKER TERMINAL PW BOARD ASS'Y (SMK-6165A-U2)	3-7
DISPLAY INTERFACE PW BOARD ASS'Y (SSB-7366A-U2)	3-7
PDP POWER PW BOARD ASS'Y (SMK-9066A-U2)	3-9
SYSTEM POWER PW BOARD ASS'Y (SMK-9165A-U2)	3-12
LINE FILTER PW BOARD ASS'Y (SMK-9265A-U2)	3-12
DISPLAY LED PW BOARD ASS'Y (SMK0L265A-U2)	3-12
DISPLAY SWITCH PW BOARD ASS'Y (SSB0L365A-U2)	3-13
REMOTE CONTROL UNIT PARTS LIST (RM-C61-1C)	3-13
[RECEIVER UNIT : TU-42D30ES]	3-14
EXPLODED VIEW PARTS LIST - 1	3-14
EXPLODED VIEW - 1	3-15
PRINTED WIRING BOARD PARTS LIST	3-16
MAIN PW BOARD ASS'Y (SMK-1301A-U2)	3-16
FRONT CONTROL PW BOARD ASS'Y (SMK-8301A-U2)	3-17
RECEIVER POWER PW BOARD ASS'Y (SMK-9301A-U2)	3-17
MI-COM PW BOARD ASS'Y (SMK0M301A-U2)	3-18
MI-COM INTERFACE PW BOARD ASS'Y (SMK0M311A-U2)	3-20
SUB TUNER PW BOARD ASS'Y (SMK0F301A-U2)	3-20
AV JACK PW BOARD ASS'Y (SMK0J301A-U2)	3-20
AV SW PW BOARD ASS'Y (SMK0S301A-U2)	3-20
DIST RELAY PW BOARD ASS'Y (SMK0Z311A-U2)	3-22
DIST PW BOARD ASS'Y (SMK0Z301A-U2)	3-22
PACKING PARTS LIST	3-30
PACKING	3-31

[DISPLAY UNIT : VM-42D30ES]

EXPLODED VIEW PARTS LIST - 1

△ Ref.No.	Part No.	Part Name	Description	Local
△ 1	QLE0020-001	PDP		

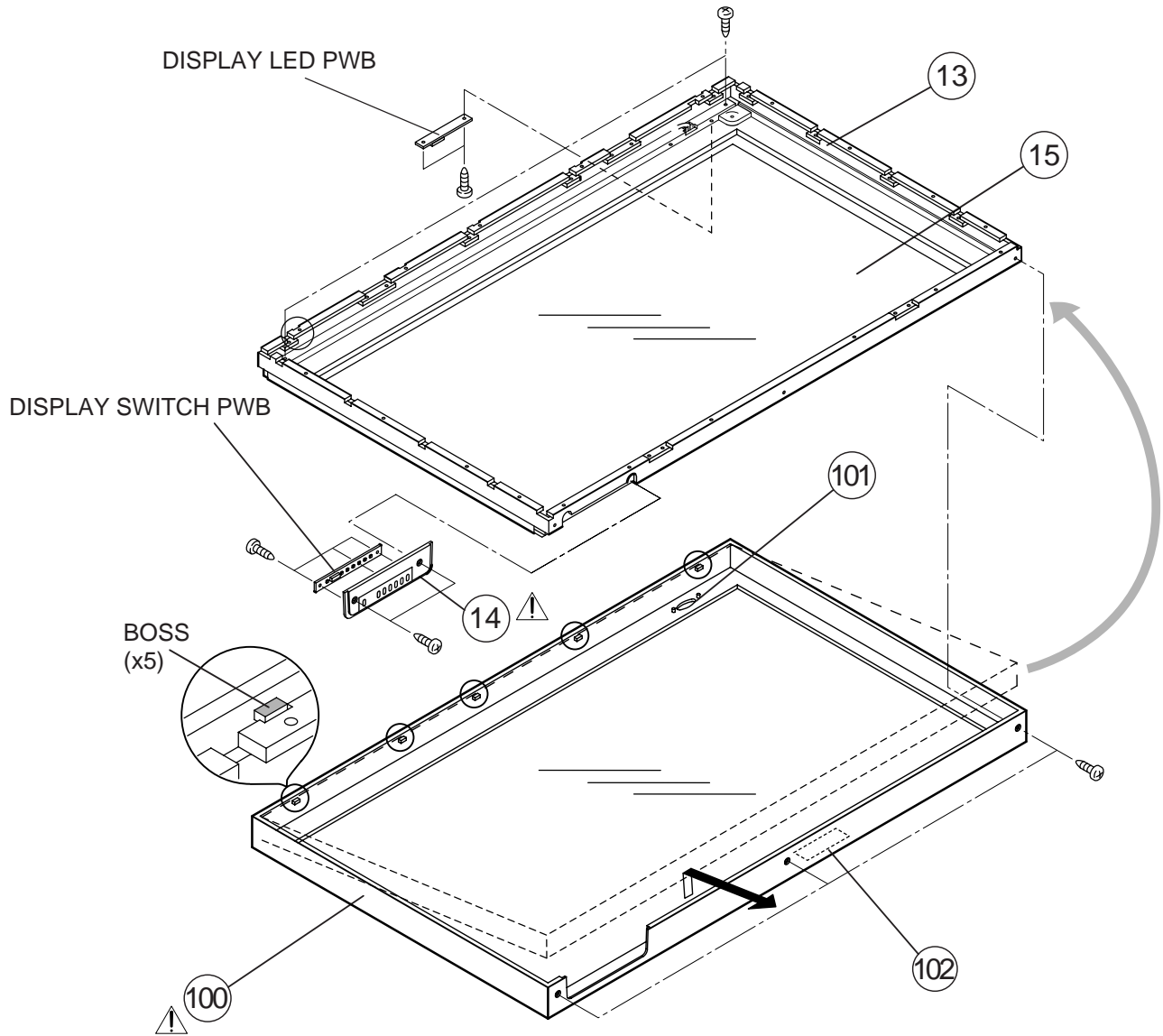
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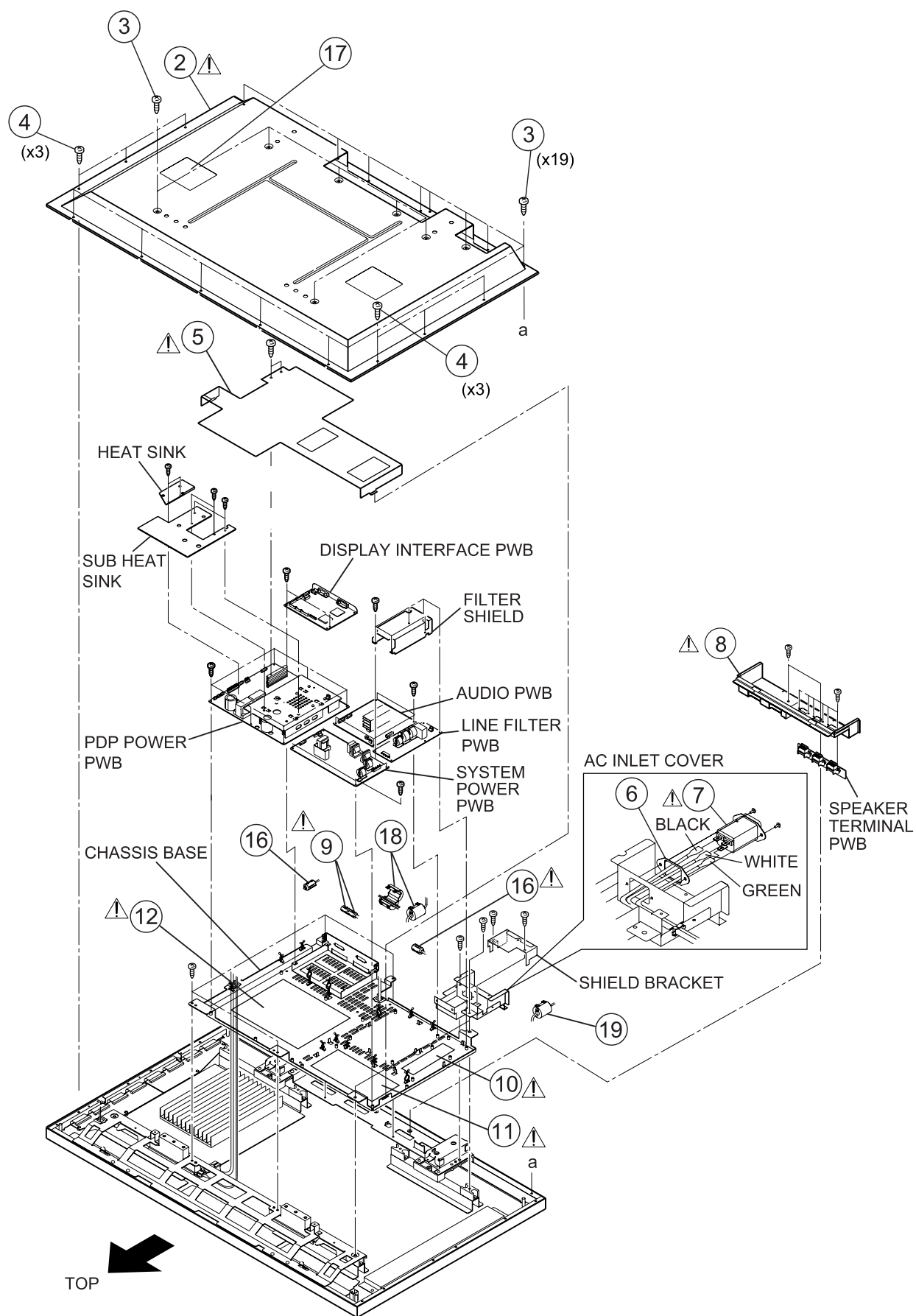


EXPLODED VIEW PARTS LIST - 2

△	Ref.No.	Part No.	Part Name	Description	Local
△	2	LC11527-001A	REAR COVER		
	3	QYSPSPD3008M	SCREW	3mm x 8mm(x19)	
	4	QYSPSPD3012R	SCREW	3mm x 12mm(x6)	
△	5	LC21250-001A	INSULATOR(REAR)		
	6	LC41566-001A	INSULATOR(INLET)		
△	7	QNC0085-001	AC INLET(NOISE)		
	8	LC21201-002A	TERMINAL COVER		
△	9	QQR0491-001	FERRITE CORE	GRAY (X2)(x2)	
△	10	LC32196-001B	INSULATOR(LF)		
△	11	LC31918-001A	INSULATOR		
△	12	LC21037-001A	INSULATOR(A)		
	13	LC11447-002B	INNER CASE ASSY		
△	14	LC20358-003B	CONTROL BASE AS		
	15	LC32041-001A	FRONT FILTER		
	16	QQR0491-001	CORE FILTER	(x2)	
△	17	LC21301-001B-U	RATING LABEL		
	18	QQR0675-001	CORE FILTER		
	19	QQR0675-001	CORE FILTER		
△	100	LC10528-013A	F.PANEL ASSY		
	101	LC40454-002B	REMOCON WINDOW		
	102	CM47990-002	JVC MARK		

EXPLODED VIEW - 2





PRINTED WIRING BOARD PARTS LIST

AUDIO PW BOARD ASS'Y (SMK-6065A-U2)

△Ref No.	Part No.	Part Name	Description	Local
IC6501	BA4558F-X	IC		
IC6521	NJW1137M-W	IC		
IC6551	BA4558F-X	IC		
IC6552	BA4558F-X	IC		
IC6571	BA4558F-X	IC		
IC6621	TA8270H	IC		
Q6521	2SD601A/QR/-X	TRANSISTOR		
Q6522	2SD601A/QR/-X	TRANSISTOR		
Q6523	2SB709A/QR/-X	TRANSISTOR		
Q6531	2SD601A/QR/-X	TRANSISTOR		
Q6532	2SD601A/QR/-X	TRANSISTOR		
Q6533	2SD601A/QR/-X	TRANSISTOR		
Q6534	2SB709A/QR/-X	TRANSISTOR		
Q6601	2SD601A/QR/-X	TRANSISTOR		
Q6603	2SB709A/QR/-X	TRANSISTOR		
Q6641	2SD601A/QR/-X	TRANSISTOR		
Q6642	2SB709A/QR/-X	TRANSISTOR		
Q6643	2SD601A/QR/-X	TRANSISTOR		
D6621	MA3330/L/-X	Z DIODE		
D6622	MA3330/L/-X	Z DIODE		
D6623	MA3330/L/-X	Z DIODE		
D6624	MA3330/L/-X	Z DIODE		
D6625	MA3330/L/-X	Z DIODE		
D6626	MA3330/L/-X	Z DIODE		
D6627	MA3330/L/-X	Z DIODE		
D6628	MA3330/L/-X	Z DIODE		
D6641	MA111-X	SI DIODE		
D6642	MA111-X	SI DIODE		
D6643	MA111-X	SI DIODE		
C6501	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6502	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6503	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6504	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6505	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6506	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6507	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6508	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6509	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6510	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6511	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6512	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6521	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6522	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6523	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C6525	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C6526	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6527	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6528	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6529	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6530	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C6532	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C6533	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6534	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6535	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6536	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6537	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6538	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6539	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6540	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6541	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6542	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6543	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C6544	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6545	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6546	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6551	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6552	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6553	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6554	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6555	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6556	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6557	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6558	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6559	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C6571	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C6572	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C6573	NCB21EK-274X	C CAPACITOR	0.27uF 25V K	
C6574	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6575	QETN1HM-106Z	E CAPACITOR	10uF 50V M	

△Ref No.	Part No.	Part Name	Description	Local
C6585	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6586	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6587	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6601	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6602	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6603	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6604	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6621	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C6622	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C6623	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C6624	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C6625	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6626	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C6627	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C6628	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6629	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6630	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6631	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6632	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6633	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6634	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6635	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6636	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6641	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6642	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6643	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6651	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6681	QETN1CM-228Z	E CAPACITOR	2200uF 16V M	
C6682	QETN1CM-228Z	E CAPACITOR	2200uF 16V M	
C6683	QETN1CM-228Z	E CAPACITOR	2200uF 16V M	
C6684	QETN1CM-228Z	E CAPACITOR	2200uF 16V M	
R6421	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6501	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6502	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6503	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6504	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6505	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R6506	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R6507	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6508	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6509	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6510	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6511	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R6512	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R6513	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6514	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6521	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6522	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6523	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6524	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6525	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6526	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6527	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6528	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6529	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6530	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6531	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6532	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6533	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6534	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6535	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6536	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6537	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6538	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6539	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6540	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6541	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6542	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6543	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6551	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6552	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6553	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6554	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6555	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6556	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6557	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R6558	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6559	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R6560	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6565	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6566	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6571	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6572	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	

△Ref No.	Part No.	Part Name	Description	Local
R6573	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6574	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6575	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6576	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6583	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6584	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6591	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R6595	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6596	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6601	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R6602	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6603	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6604	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6605	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R6606	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6607	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6608	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6609	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R6610	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6611	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6612	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6613	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6615	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6616	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
△R6621	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
△R6622	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
△R6623	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
△R6624	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
△R6625	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
△R6626	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
△R6627	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
△R6628	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
R6641	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6642	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6643	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6644	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6645	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6646	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6647	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6648	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6653	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6654	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6661	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6671	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6673	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6681	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	
R6682	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	
R6683	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	
R6684	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	
CN600K	QGA7901C1-02	CONNECTOR	W-B (1-2)	
CN60CA	QGA2501C5-03Z	CONNECTOR	W-B (1-3)	
CN60CE	QGA2501C5-06Z	CONNECTOR	W-B (1-6)	
CN60CF	QGA2501C5-08Z	CONNECTOR	W-B (1-8)	
CN60SP	QGA2501C1-09	CONNECTOR	W-B (1-9)	
H6621	LC32130-001A	HEAT SINK/AL-F/		
TH6671	QAD0125-471	P THERMISTOR		

SPEAKER TERMINAL PW BOARD ASS'Y (SMK-6165A-U2)

△Ref No.	Part No.	Part Name	Description	Local
C7002	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C7003	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C7102	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C7103	NCB11CK-105X	C CAPACITOR	1uF 16V K	
CN70SP	QGA2501C1-09	CONNECTOR	W-B (1-9)	
J7001	CEMT019-001	SP TERMINAL	FRONT R	
J7002	CEMT019-001	SP TERMINAL	FRONT L	
J7003	CEMT019-001	SP TERMINAL	SUB WOOFER	

DISPLAY INTERFACE PW BOARD ASS'Y (SSB-7366A-U2)

△Ref No.	Part No.	Part Name	Description	Local
IC301	MN82860	IC		
IC401	JCC5056A	IC		
IC405	R1170H251B-X	IC		
IC501	SII169CT100	IC		
IC502	S-80828CLNB-W	IC		
IC601	DS90C387VJD	IC		
IC602	DS90LV018ATM-X	IC		
IC603	TC7SZ08F-X	IC(DIGITAL)		
IC801	BA033FP-X	IC		
IC802	BA05FP-X	IC		
IC803	ICL3221CA-X	IC		
IC804	TC74HC4053AFT-X	IC(DIGITAL)		
IC805	AT24C16-42D30ES	IC	(SERVICE)	
IC807	HD64F3687H	IC(MCU)		
IC808	TC74VHCT541AFTX	IC		
IC809	S-80840CLNB-W	IC		
IC810	TC74VHC541FT-X	IC		
Q703	2SK1374-X	MOS FET		
Q704	2SK1374-X	MOS FET		
Q801	2SK1374-X	MOS FET		
Q802	2SK1374-X	MOS FET		
Q803	2SA1037AK/QR/-X	TRANSISTOR		
Q804	2SC2412K/QR/-X	TRANSISTOR		
D501	BAV99L-X	SI DIODE		
D502	BAV99L-X	SI DIODE		
D503	BAV99L-X	SI DIODE		
D504	BAV99L-X	SI DIODE		
D505	BAV99L-X	SI DIODE		
D506	BAV99L-X	SI DIODE		
D507	BAV99L-X	SI DIODE		
D508	BAV99L-X	SI DIODE		
D509	BAV99L-X	SI DIODE		
D510	BAV99L-X	SI DIODE		
D611	MA3056/M/-X	Z DIODE		
D803	MA111-X	SI DIODE		
D804	MA3056/M/-X	Z DIODE		
D901	1SS355-X	SI DIODE		
D902	1SS355-X	SI DIODE		
C301	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C302	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C303	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C304	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C305	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C306	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C309	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C310	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C311	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C312	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C313	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C317	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C319	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C320	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C325	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C326	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C327	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C328	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C329	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C330	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C331	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C332	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C333	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C334	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C401	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C402	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C403	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C404	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C405	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C406	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C407	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C408	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
R809	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R914	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R810	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R915	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R811	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R916	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R812	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R917	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R813	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R918	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R814	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R919	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R815	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R920	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R816	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R921	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R817	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R922	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R818	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R923	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R819	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R924	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R820	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R925	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R821	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R927	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R822	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R929	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R823	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R931	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R824	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R933	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R827	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R934	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R828	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		RA601	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R829	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		RA602	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R830	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		RA603	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R831	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		RA604	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R833	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		RA605	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R837	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RA606	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R838	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		RA607	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R839	NRSA63J-0R0Xht	MG RESISTOR	0Ω 1/16W J		RA608	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R840	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L301	NQR0351-001X	FERRITE BEADS		
R841	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L302	NQR0351-001X	FERRITE BEADS		
R842	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L401	NQR0351-001X	FERRITE BEADS		
R843	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L402	NQR0351-001X	FERRITE BEADS		
R844	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L501	NQR0351-001X	FERRITE BEADS		
R845	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		L601	NQR0351-001X	FERRITE BEADS		
R846	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		L801	NQR0351-001X	FERRITE BEADS		
R847	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L802	NQR0351-001X	FERRITE BEADS		
R848	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
R849	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		CN0AH	QGA1211C2-31X	CONNECTOR	W-B (1-31)	
R850	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN0AV	QGA2501C5-07	CONNECTOR	W-B (1-7)	
R851	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		CN0C1	QGA2501C5-06	CONNECTOR	W-B (1-6)	
R852	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		CN0C2	QGA2001C1-09	CONNECTOR	W-B (1-9)	
R853	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		CN0CB	QGA2501C1-09	CONNECTOR	W-B (1-9)	
R854	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN0CC	QGA2501C5-08	CONNECTOR	W-B (1-8)	
R855	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		CN0CD	QGA2501C5-06	CONNECTOR	W-B (1-6)	
R856	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		CN0CE	QGA2501C5-06	CONNECTOR	W-B (1-6)	
R857	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		CN0CF	QGA2501C5-08	CONNECTOR	W-B (1-8)	
R858	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		CNDVI	QNZ0580-001	D CONNECTOR		
R859	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		CNMDR	QNZ0576-001	D CONNECTOR		
R861	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K301	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R864	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		K801	NQR0351-001X	FERRITE BEADS		
R865	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		K802	NQR0351-001X	FERRITE BEADS		
R866	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		K803	NQR0351-001X	FERRITE BEADS		
R867	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K804	NQR0351-001X	FERRITE BEADS		
R868	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		X801	QAX0534-001	C RESONATOR		
R870	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		Y801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R871	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R872	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R873	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R875	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R876	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R877	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
R878	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R879	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R880	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R881	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J						
R882	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R883	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
R884	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R885	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J						
R886	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R887	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R888	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R889	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R890	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R891	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R892	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R893	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R894	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R895	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J						
R896	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J						
R897	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J						
R898	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J						
R899	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R900	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R901	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R902	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R903	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J						
R904	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J						
R906	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J						
R908	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
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△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
Q601	2SB709A/QR/-X	TRANSISTOR			△PC602	PC123FY2	PHOTO COUPLER		
Q602	2SD601A/QR/-X	TRANSISTOR			△PC701	PC123FY2	PHOTO COUPLER		
Q603	2SC2412K/QR/-X	TRANSISTOR			△PC702	PC123FY2	PHOTO COUPLER		
Q605	2SK2470-01MR-F1	POWER MOS FET							
Q606	2SC2412K/QR/-X	TRANSISTOR			△C001	QFZ9075-474	MPP CAPACITOR	0.47uF AC275V M	
Q607	2SC2412K/QR/-X	TRANSISTOR			△C002	QCZ9082-222Z	C CAPACITOR	2200pF AC250V M	
Q701	2SC2412K/QR/-X	TRANSISTOR			△C003	QCZ9082-222Z	C CAPACITOR	2200pF AC250V M	
Q703	2SK2459N-F54	POWER MOS FET			△C004	QCZ9082-222Z	C CAPACITOR	2200pF AC250V M	
Q704	2SC2412K/QR/-X	TRANSISTOR			△C005	QCZ9082-222Z	C CAPACITOR	2200pF AC250V M	
Q705	2SC2412K/QR/-X	TRANSISTOR			C101	QFZ0128-474	MPP CAPACITOR	0.47uF DC400V H	
					C102	QEZO580-157	E CAPACITOR	150uF	
D001	D25XB60	BRIDGE DIODE			C103	QEZO580-157	E CAPACITOR	150uF	
D002	MA111-X	SI DIODE			C104	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
D101	D1FS4-X	SB DIODE			C105	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
D102	D1FS4-X	SB DIODE			C107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D103	D1FS4-X	SB DIODE			C108	NCF31CZ-334X	C CAPACITOR	0.33uF 16V Z	
D104	D1FS4-X	SB DIODE			C109	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
D105	YG912S6	SI DIODE			C110	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
D106	MA8051/M/-X	Z DIODE			C111	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
D107	MA8110/H/-X	Z DIODE			C112	NCB21EK-154X	C CAPACITOR	0.15uF 25V K	
D151	S1WB/A/60-X	BRIDGE DIODE			C113	QEHR1VM-107Z	E CAPACITOR	100uF 35V M	
D152	MTZJ22B-T2	Z DIODE			C117	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
D502	MTZJ27B-T2	Z DIODE			C118	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
D503	MTZJ5.1B-T2	Z DIODE			C502	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	
D504	D1FL20U-X	SI DIODE			C503	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
D505	MA111-X	SI DIODE			C504	QCZ0354-151Z	C CAPACITOR	150pF 2kV K	
D507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		C505	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
D508	AU01Z-T2	FR DIODE			C506	QCZ0354-152Z	C CAPACITOR	1500pF 2kV K	
D510	AU01Z-T2	FR DIODE			C508	NCB31HK-122X	C CAPACITOR	1200pF 50V K	
D511	SARS01-T2	SI DIODE			C509	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	
D512	SARS01-T2	SI DIODE			C511	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	
D516	FMJ-23L-F2	SB DIODE			C515	QCB31HK-102Z	C CAPACITOR	1000pF 50V K	
D517	MA111-X	SI DIODE			C516	QTMT1CM-478	E CAPACITOR	4700uF 16V M	
D518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		C517	QFV21HJ-474Z	MF CAPACITOR	0.47uF 50V J	
D519	MA111-X	SI DIODE			C518	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D524	MA8330/M/-X	Z DIODE			C519	QTMT1CM-478	E CAPACITOR	4700uF 16V M	
D525	MA8330/M/-X	Z DIODE			C521	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
D526	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		C524	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	
D527	AU01Z-T2	FR DIODE			C525	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	
D528	MA111-X	SI DIODE			C529	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
D529	MA8091/M/-X	Z DIODE			C535	QEHR1HM-106Z	E CAPACITOR	10uF 50V M	
D533	MA111-X	SI DIODE			C536	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	
D534	D1FL20U-X	SI DIODE			C537	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
D601	MA8220/M/-X	Z DIODE			C539	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	
D602	MTZJ33B-T2	Z DIODE			C540	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
D603	MTZJ5.1B-T2	Z DIODE			C541	QEHR2AM-106Z	E CAPACITOR	10uF 100V M	
D604	MTZJ12C-T2	Z DIODE			C601	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	
D606	AU01Z-T2	FR DIODE			C602	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
D607	PTZ6.8B-X	Z DIODE			C603	QCZ0354-331Z	C CAPACITOR	330pF 2kV K	
D608	MA111-X	SI DIODE			C604	QEHR1HM-475Z	E CAPACITOR	4.7uF 50V M	
D609	D1FL20U-X	SI DIODE			C605	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
D610	PTZ6.8B-X	Z DIODE			C606	QCZ0354-152Z	C CAPACITOR	1500pF 2kV K	
D611	SARS01-T2	SI DIODE			C608	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
D612	SARS01-T2	SI DIODE			C609	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
D613	FMG-G2CS	SI DIODE			C610	QCZ0354-681Z	C CAPACITOR	680pF 2kV K	
D614	MTZJ27B-T2	Z DIODE			C611	QEZO612-827	E CAPACITOR	820uF	
D615	MTZJ12C-T2	Z DIODE			C612	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
D616	MA111-X	SI DIODE			C613	QEHR1HM-475Z	E CAPACITOR	4.7uF 50V M	
D617	MA111-X	SI DIODE			C614	QCZ0354-331Z	C CAPACITOR	330pF 2kV K	
D618	MA8330/M/-X	Z DIODE			C616	QFP32GJ-393	PP CAPACITOR	0.039uF 400V J	
D619	MA8330/M/-X	Z DIODE			C617	QFP32GJ-103Z	PP CAPACITOR	0.01uF 400V J	
D620	MA8330/M/-X	Z DIODE			C620	QEHR1HM-336Z	E CAPACITOR	33uF 50V M	
D621	D1FL20U-X	SI DIODE			C701	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	
D622	MA8330/M/-X	Z DIODE			C702	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
D623	MA111-X	SI DIODE			C703	QCZ0354-821Z	C CAPACITOR	820pF 2kV K	
D702	MTZJ33B-T2	Z DIODE			C704	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
D703	MTZJ5.1B-T2	Z DIODE			C705	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
D705	AU01Z-T2	FR DIODE			C706	QCZ0354-152Z	C CAPACITOR	1500pF 2kV K	
D706	PTZ8.2B-X	Z DIODE			C708	QEHR1HM-475Z	E CAPACITOR	4.7uF 50V M	
D707	PTZ8.2B-X	Z DIODE			C709	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
D708	MTZJ12C-T2	Z DIODE			C711	QEHQ2AM-477	E CAPACITOR	470uF 100V M	
D709	SARS01-T2	SI DIODE			C712	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
D710	SARS01-T2	SI DIODE			C713	QEHQ2AM-477	E CAPACITOR	470uF 100V M	
D711	FML-G14S	SI DIODE			C714	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
D712	MTZJ27B-T2	Z DIODE			C715	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J	
D713	MA111-X	SI DIODE			C717	QEHR1HM-475Z	E CAPACITOR	4.7uF 50V M	
D714	MTZJ12C-T2	Z DIODE							
D715	MA111-X	SI DIODE			R001	QRZ0123-100	UNF WW RESISTOR	10Ω 7W J	
D716	MA8330/M/-X	Z DIODE			R002	QRL03EJ-820X	OMF RESISTOR	82Ω 3W J	
D717	MA111-X	SI DIODE			R003	QRZ0123-100	UNF WW RESISTOR	10Ω 7W J	
D718	D1FL20U-X	SI DIODE			R101	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J	
D719	MA111-X	SI DIODE			R102	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J	
					R103	QRM059J-R12	MP RESISTOR	0.12Ω 5W J	
△PC101	PC123FY2	PHOTO COUPLER			R104	QRM059J-R15	MP RESISTOR	0.15Ω 5W J	
△PC501	PC123FY2	PHOTO COUPLER			△R105	QRZ9017-220	FUSI RESISTOR	22Ω 1/4W J	
△PC502	PC123FY2	PHOTO COUPLER			R106	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
△PC601	PC123FY2	PHOTO COUPLER			△R107	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
R108	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R607	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
△R109	QRZ9017-220	FUSI RESISTOR	22Ω 1/4W J		R608	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R110	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R609	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
△R111	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J		R612	QRE121J-332Y	C RESISTOR	3.3kΩ 1/2W J	
R112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R614	QRE121J-824Y	C RESISTOR	820kΩ 1/2W J	
R113	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J		R615	QRL03EJ-220X	OMF RESISTOR	22Ω 3W J	
R114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		△R616	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	
R115	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R617	QRL03EJ-333X	OMF RESISTOR	33kΩ 3W J	
R116	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R618	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R117	QRK126J-820X	UNF C RESISTOR	82Ω 1/2W J		R619	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R119	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R620	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R120	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R621	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R121	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J		R624	QRE121J-823Y	C RESISTOR	82kΩ 1/2W J	
R122	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R625	QRE121J-562Y	C RESISTOR	5.6kΩ 1/2W J	
R123	NRVA63D-152X	CMF RESISTOR	1.5kΩ 1/16W D		R626	QRE121J-823Y	C RESISTOR	82kΩ 1/2W J	
R124	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R627	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R126	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D		R628	QVP0087-501Z	TRIM RESISTOR	500Ω 0.3W N	
R127	NRS144F-124X	MG RESISTOR	120kΩ 1/4W F		R629	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D	
R128	NRS144F-124X	MG RESISTOR	120kΩ 1/4W F		R630	QRZ0121-200	UNF WW RESISTOR	20Ω 5W J	
R129	NRS144F-124X	MG RESISTOR	120kΩ 1/4W F		R631	QRE121J-683Y	C RESISTOR	68kΩ 1/2W J	
R131	NRS144F-224X	MG RESISTOR	220kΩ 1/4W F		R632	QRZ0121-200	UNF WW RESISTOR	20Ω 5W J	
R132	NRS144F-224X	MG RESISTOR	220kΩ 1/4W F		R633	QRE121J-683Y	C RESISTOR	68kΩ 1/2W J	
R133	NRS144F-124X	MG RESISTOR	120kΩ 1/4W F		R635	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R136	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J		R636	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R137	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R637	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R138	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		R638	QRE121J-563Y	C RESISTOR	56kΩ 1/2W J	
R140	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R639	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R141	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R640	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R145	QRE121J-331Y	C RESISTOR	330Ω 1/2W J		R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R151	QRE121J-333Y	C RESISTOR	33kΩ 1/2W J		R642	QRZ0121-200	UNF WW RESISTOR	20Ω 5W J	
R152	QRE121J-333Y	C RESISTOR	33kΩ 1/2W J		R643	QRZ0121-200	UNF WW RESISTOR	20Ω 5W J	
R156	QRE121J-273Y	C RESISTOR	27kΩ 1/2W J		R644	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R646	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R202	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R647	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R203	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R701	QRK126J-221X	UNF C RESISTOR	220Ω 1/2W J	
R501	QRL03EJ-333X	OMF RESISTOR	33kΩ 3W J		R702	QRM059J-R27	MP RESISTOR	0.27Ω 5W J	
R502	QRL03EJ-333X	OMF RESISTOR	33kΩ 3W J		R703	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R503	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J		R704	QRT02EJ-3R9X	MF RESISTOR	3.9Ω 2W J	
R504	QRM059J-R68	MP RESISTOR	0.68Ω 5W J		R705	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R505	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R706	QRK126J-152X	UNF C RESISTOR	1.5kΩ 1/2W J	
R509	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R708	QRE121J-332Y	C RESISTOR	3.3kΩ 1/2W J	
R510	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J		R709	QRE121J-564Y	C RESISTOR	560kΩ 1/2W J	
R511	QRK126J-332X	UNF C RESISTOR	3.3kΩ 1/2W J		R710	QRL03EJ-220X	OMF RESISTOR	22Ω 3W J	
R513	QRE121J-122Y	C RESISTOR	1.2kΩ 1/2W J		△R711	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	
R514	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R712	QRL01EJ-682X	OMF RESISTOR	6.8kΩ 1W J	
R515	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J		R714	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R516	QRL03EJ-220X	OMF RESISTOR	22Ω 3W J		R715	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
△R517	QRZ9009-1R5	FUSI RESISTOR	1.5Ω 1/2W J		R716	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R518	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R718	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	
R519	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R719	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J	
R520	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R720	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R521	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D		R721	QVP0087-202Z	TRIM RESISTOR	2kΩ 0.3W N	
R522	QRL02EJ-101X	OMF RESISTOR	100Ω 2W J		R722	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R524	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D		R723	QRZ0121-200	UNF WW RESISTOR	20Ω 5W J	
R525	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J		R724	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R526	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J		R725	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R528	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R726	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R529	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J		R727	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R530	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R728	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R533	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R534	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R730	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R535	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R731	QRE121J-273Y	C RESISTOR	27kΩ 1/2W J	
R536	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R732	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R544	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R734	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R545	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R735	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R546	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L101	QQR1375-001	CHOKE COIL		
R547	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L501	QQL50AM-3R3Z	COIL	3.3uH M	
R549	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		△T501	QQS0136-001	SW TRANSF		
R555	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		△T601	QQS0193-001	SW TRANSF		
R556	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		△T602	QQS0193-001	SW TRANSF		
R557	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J		△T701	QQS0194-001	SW TRANSF		
R558	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		CN00J	QGA7901C1-02	CONNECTOR	W-B (1-2)	
R560	QRE121J-334Y	C RESISTOR	330kΩ 1/2W J		CN0AT	QGA3901C1-04	CONNECTOR	W-B (1-4)	
R561	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		CN0AU	QGA3901C1-10	CONNECTOR	W-B (1-10)	
R562	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		CN0AV	QGA2501C5-07Z	CONNECTOR	W-B (1-7)	
R563	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN0C4	QGA2501C5-06Z	CONNECTOR	W-B (1-6)	
R564	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J		△CP101	QMFZ043-5R0Z-J1	FUSE	5A	
R572	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		H102	LC31942-001A	HEAT SINK/AL-F/		
R584	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J		H103	LC31942-001A	HEAT SINK/AL-F/		
R586	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J		H104	LC21240-001B	POWER HEAT SINK		
R589	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		H501	LC31942-001A	HEAT SINK/AL-F/		
R590	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		H502	LC31942-001A	HEAT SINK/AL-F/		
R601	QRK126J-221X	UNF C RESISTOR	220Ω 1/2W J		H503	LC31942-001A	HEAT SINK/AL-F/		
R602	QRM059J-R10	MP RESISTOR	0.1Ω 5W J		H504	LC31942-001A	HEAT SINK/AL-F/		
R603	QRK126J-152X	UNF C RESISTOR	1.5kΩ 1/2W J		K504	QQR0621-002Z	FERRITE BEADS		
R604	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J						
R605	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J						

△Ref No.	Part No.	Part Name	Description	Local
K505	QQR0621-002Z	FERRITE BEADS		
K604	QQR0621-002Z	FERRITE BEADS		
K605	QQR0621-002Z	FERRITE BEADS		
K703	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K704	QQR0621-002Z	FERRITE BEADS		
K705	QQR0621-002Z	FERRITE BEADS		
RY001	QSK0078-001	RELAY		
TH101	QAD0125-471	P THERMISTOR	470Ω	
Y505	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

SYSTEM POWER PW BOARD ASS'Y (SMK-9165A-U2)

△Ref No.	Part No.	Part Name	Description	Local
IC9142	PQ05RF11	IC		
△IC9221	STR-F6267S-F3	IC		
IC9242	SE012N-LF12	IC		
IC9262	PQ1CG2032FZ	IC		
IC9263	PQ12RF1	IC		
Q9141	2SC2412K/QR/-X	TRANSISTOR		
Q9142	2SC2411K/QR/-X	TRANSISTOR		
Q9143	2SC2412K/QR/-X	TRANSISTOR		
△D9111	S1WB/A/60-4101	BRIDGE DIODE		
D9141	MA111-X	SI DIODE		
D9142	MA111-X	SI DIODE		
D9144	1SR35-400A-T2	SI DIODE		
△D9211	D2SBA60	BRIDGE DIODE		
D9212	EU2-T3	SI DIODE		
D9221	SARS01-T2	SI DIODE		
D9222	AU01Z-T2	FR DIODE		
D9223	AU01Z-T2	FR DIODE		
D9224	MA111-X	SI DIODE		
D9241	SF10SC4-F1	SB DIODE		
D9243	RU3YX-LFC4	SI DIODE		
D9263	SF5S4	SB DIODE		
D9264	PTZ6.8B-X	Z DIODE		
D9265	1SR35-400A-T2	SI DIODE		
△PC9241	PC123FY2	PHOTO COUPLER		
△C9004	QCZ9079-471	C CAPACITOR	470pF AC250V K	
△C9006	QCZ9079-471	C CAPACITOR	470pF AC250V K	
△C9014	QCZ9079-471	C CAPACITOR	470pF AC250V K	
△C9016	QCZ9079-471	C CAPACITOR	470pF AC250V K	
△C9103	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
△C9111	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
△C9112	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
△C9113	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
C9114	QETM2GM-226	E CAPACITOR	22uF 400V M	
C9121	QTMN1CM-477Z	E CAPACITOR	470uF 16V M	
C9122	QEHR1AM-337Z	E CAPACITOR	330uF 10V M	
C9141	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	
C9144	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
△C9201	QCZ9078-102	C CAPACITOR	1000pF AC250V M	
△C9202	QCZ9078-102	C CAPACITOR	1000pF AC250V M	
△C9203	QCZ9078-102	C CAPACITOR	1000pF AC250V M	
△C9204	QCZ9078-102	C CAPACITOR	1000pF AC250V M	
C9211	QEZ0199-157	E CAPACITOR	150uF	
C9221	QFP32GJ-103	PP CAPACITOR	0.01uF 400V J	
C9222	QCZ0340-561	C CAPACITOR	560pF 2kV K	
C9225	QFLC1HJ-122Z	M CAPACITOR	1200pF 50V J	
C9226	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C9227	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	
C9228	QFLC1HJ-221Z	M CAPACITOR	220pF 50V J	
C9229	QEHR1HM-475Z	E CAPACITOR	4.7uF 50V M	
C9242	QEZ0257-228	E CAPACITOR	2200uF 25V M	
C9244	QEZ0257-477	E CAPACITOR	470uF 25V M	
C9247	QEZ0257-228	E CAPACITOR	2200uF 25V M	
C9265	QEHR1EM-477Z	E CAPACITOR	470uF 25V M	
C9267	QEHR1AM-108Z	E CAPACITOR	1000uF 10V M	
C9268	QEHR0JM-477Z	E CAPACITOR	470uF 6.3V M	
C9269	QEHR1EM-477Z	E CAPACITOR	470uF 25V M	
C9270	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
△C9299	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
R9111	QRF054K-3R3	UNF WW RESISTOR	3.3Ω 5W K	
R9121	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R9122	QRX01GJ-R82	MF RESISTOR	0.82Ω 1W J	
R9141	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9142	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9143	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9144	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
△R9201	QRF074K-3R3	UNF WW RESISTOR	3.3Ω 7W K	

△Ref No.	Part No.	Part Name	Description	Local
R9221	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J	
R9222	QRG01GJ-470	OMF RESISTOR	47Ω 1W J	
R9223	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	
R9224	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J	
R9226	QRK126J-152X	UNF C RESISTOR	1.5kΩ 1/2W J	
R9227	QRL029J-683	OMF RESISTOR	68kΩ 2W J	
R9228	QRT029J-R22	MF RESISTOR	0.22Ω 2W J	
R9229	QRK126J-221X	UNF C RESISTOR	220Ω 1/2W J	
R9233	QRT029J-R22	MF RESISTOR	0.22Ω 2W J	
R9234	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R9241	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	
R9243	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	
R9244	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9263	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	
R9264	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9266	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D	
R9267	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9268	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
△R9299	QRZ0057-825	C RESISTOR	8.2MΩ 1W J	

L9111	QQL26AM-4R7Z	COIL	4.7uH M
L9265	QQR1128-001	CHOKE COIL	
L9266	QQL26AK-220Z	COIL	22uH K
L9267	QQL26AK-470Z	COIL	47uH K
L9269	QQL26AK-470Z	COIL	47uH K
△T9111	QAL0425-001	POWER TRANSF	
△T9221	QQS0189-001	SW TRANSF	
CN900J	QGA7901C1-02	CONNECTOR	W-B (1-2)
CN900K	QGA7901C1-02	CONNECTOR	W-B (1-2)
CN900P	QGA7901C1-04	CONNECTOR	W-B (1-4)
CN90CA	QGA2501C5-03Z	CONNECTOR	W-B (1-3)
CN90CB	QGA2501C1-09	CONNECTOR	W-B (1-9)
△CP9243	ICP-N70-T	IC PROTECTOR	2.5A
△F9011	QMF51D2-3R15J1	FUSE	3.15A AC250V
△F9221	QMFZ034-4R0Z-J1	FUSE	4A 125V
FC9011	CEMG002-001Z	FUSE CLIP	
FC9012	CEMG002-001Z	FUSE CLIP	
H9221	LC32162-001A	HEAT SINK/AL-F/	
H9241	CM42862-A0A	HEAT SINK ASSY	
H9262	CEHT11B-002QS	HEAT SINK	
K9241	QQR0621-002Z	FERRITE BEADS	
K9242	QQR0621-002Z	FERRITE BEADS	
K9243	QQR0621-002Z	FERRITE BEADS	
△LF9001	QQR1376-001	LINE FILTER	
△LF9002	QQR1376-001	LINE FILTER	
△LF9011	QQR1084-002	LINE FILTER	
△RY9101	QSK0119-001	RELAY	
△RY9102	QSK0090-001	RELAY	
Y9242	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
Y9246	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J

LINE FILTER PW BOARD ASS'Y (SMK-9265A-U2)

△Ref No.	Part No.	Part Name	Description	Local
△C901	QFZ9075-225	MPP CAPACITOR	2.2uF AC275V M	
R902	QRK129J-105	UNF C RESISTOR	1MΩ 1/2W J	
CN00P	QGA7901F1-04	CONNECTOR	W-B (1-4)	
CN0PW	QGA7901C1-02	CONNECTOR	W-B (1-2)	
△F901	QMFZ041-100-J1	FUSE	10A	
FC901	A49593	CONNECTOR CLIP		
FC902	A49593	CONNECTOR CLIP		
△LF901	QQR1281-002	LINE FILTER		
△LF902	QQR1281-003	LINE FILTER		
△LF903	QQR1376-001	LINE FILTER		

DISPLAY LED PW BOARD ASS'Y (SMK0L265A-U2)

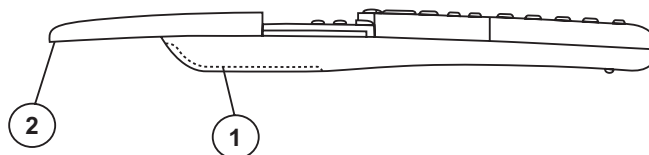
△Ref No.	Part No.	Part Name	Description	Local
IC1742	GP1UA261XK	IR DETECT UNIT	38kHz	
Q1741	DTC124EKA-X	DIGI TRANSISTOR		
Q1742	DTC124EKA-X	DIGI TRANSISTOR		
D1743	SPR-39MVWF	LED	RED-GREEN	
C1742	QER61CM-476Z	E CAPACITOR	47uF 16V M	
C1743	QER61HM-105Z	E CAPACITOR	1uF 50V M	

△Ref No.	Part No.	Part Name	Description	Local
R1741	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1742	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1743	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1744	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1748	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1750	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R1752	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1753	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1754	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1757	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1758	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
CN10CC	QGA2501F1-08	CONNECTOR	W-B (1-8)	

DISPLAY SWITCH PW BOARD ASS'Y (SSB0L365A-U2)

△Ref No.	Part No.	Part Name	Description	Local
R2701	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2702	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R2703	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2704	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
CN20CD	QGA2501F1-06	CONNECTOR	W-B (1-6)	
S2701	QSW0619-003Z	TACT SWITCH	VOL+	
S2702	QSW0619-003Z	TACT SWITCH	CH-	
S2703	QSW0619-003Z	TACT SWITCH	MENU / OK	
S2704	QSW0619-003Z	TACT SWITCH	TV / AV	
S2705	QSW0619-003Z	TACT SWITCH	CH+	
S2706	QSW0619-003Z	TACT SWITCH	VOL-	
S2707	QSW0619-003Z	TACT SWITCH	POWER	

REMOTE CONTROL UNIT PARTS LIST (RM-C61-1C)



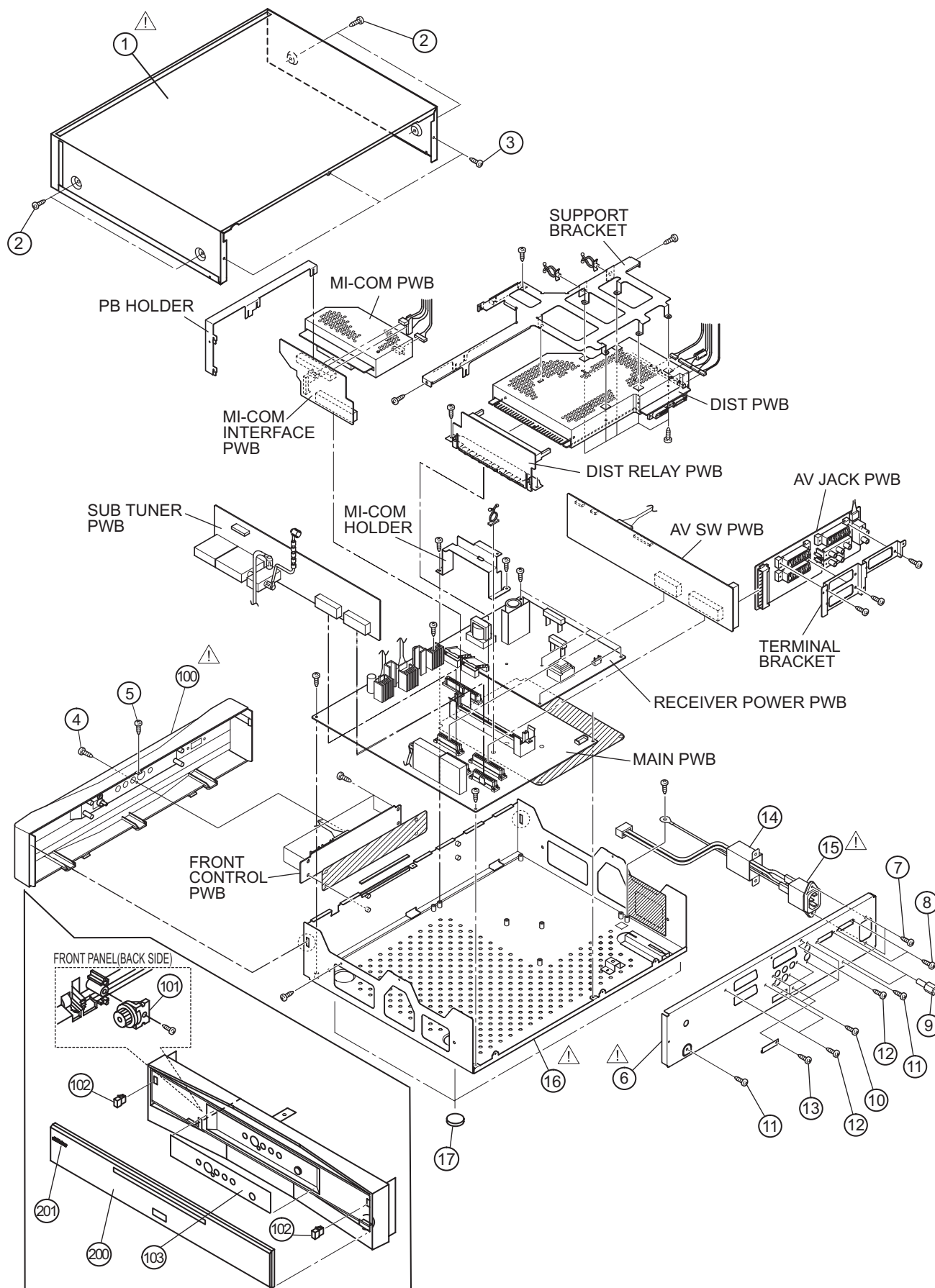
△ Ref.No.	Part No.	Part Name	Description	Local
1	2AA027770	BATTERY DOOR		
2	2AA027760	COVER		

[RECEIVER UNIT : TU-42D30ES]

EXPLODED VIEW PARTS LIST - 1

△	Ref.No.	Part No.	Part Name	Description	Local
△	1	LC11331-004A	TOP COVER		
	2	CM43096-002	SPECIAL SCREW	(x4)	
	3	QYSBSG3008N	TAP SCREW	3mm x 8mm(x3)	
	4	QYSBSF3010M	TAP SCREW	3mm x 10mm	
	5	QYSDSG3008N	TAPPING SCREW	3mm x 8mm	
△	6	LC21207-001A	BACK COVER		
	7	QYSPSPL3008M	SCREW	3mm x 8mm(x2)	
	8	QYSPSPL2608N	SCREW	2.6mm x 8mm(x2)	
	9	QNZ0588-001	HEX.SCREW	(x2)	
	10	QYSBSF3010M	TAP SCREW	3mm x 10mm(x6)	
	11	QYSBSG3008N	TAP SCREW	3mm x 8mm(x2)	
	12	QYSBSG3008N	TAP SCREW	3mm x 8mm(x3)	
	13	QYSBSG3008N	TAP SCREW	3mm x 8mm	
	14	LC31946-001A	INLET SHIELD		
△	15	QNC0085-002	AC INLET(NOISE)		
△	16	LC11330-002C	BOTTOM CASE		
	17	LC41284-001A	FOOT	(x4)	
△	100	LC11328-005A	F.PANEL ASSY		
	101	QZW0055-003	DAMPER		
	102	QZW0063-001	MAGNET LATCH		
	103	LC31917-001B	CONTROL PLATE		
	200	LC21099-003A	DOOR ASSY		
	201	PQ45130-6	JVC MARK		

EXPLODED VIEW - 1



PRINTED WIRING BOARD PARTS LIST

MAIN PW BOARD ASS'Y (SMK-1301A-U2)

△Ref No.	Part No.	Part Name	Description	Local
IC101	AN15851A-W	IC		
IC201	TA1318N	IC		
IC202	TC7W08F-X	IC		
IC701	AT24LC6442D30ES	IC	(SERVICE)	
IC703	R1141Q331B-X	IC		
IC706	JLC1562BF-X	IC		
IC707	JLC1562BF-X	IC		
IC902	SI-8090S	IC		
IC903	SI-8050S	IC		
IC904	SI-8033S/F1	IC		
IC905	PQ070XH02Z-W	IC		
IC907	AN78L05-T	IC		
IC908	PQ15RW11	IC		
Q001	2SC2412K/QR/-X	TRANSISTOR		
Q101	2SC2412K/QR/-X	TRANSISTOR		
Q102	2SC2412K/QR/-X	TRANSISTOR		
Q103	2SC2412K/QR/-X	TRANSISTOR		
Q111	2SC2412K/QR/-X	TRANSISTOR		
Q112	2SC2412K/QR/-X	TRANSISTOR		
Q113	2SC2412K/QR/-X	TRANSISTOR		
Q620	2SA1037AK/QR/-X	TRANSISTOR		
D609	MA111-X	SI DIODE		
D610	MA111-X	SI DIODE		
D614	MA111-X	SI DIODE		
D616	MA111-X	SI DIODE		
D619	MA111-X	SI DIODE		
D620	MA111-X	SI DIODE		
D771	MA3056/M/-X	Z DIODE		
D772	MA3056/M/-X	Z DIODE		
D773	MA3056/M/-X	Z DIODE		
D774	MA3056/M/-X	Z DIODE		
D902	RFK34-LFC4	SB DIODE		
D903	SF5S4	SB DIODE		
D904	SF5S4	SB DIODE		
D905	PTZ6.8B-X	Z DIODE		
D906	MA111-X	SI DIODE		
D992	MA111-X	SI DIODE		
D993	MA111-X	SI DIODE		
D994	MA111-X	SI DIODE		
D995	MA111-X	SI DIODE		
D996	MA111-X	SI DIODE		
C001	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C002	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C004	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C005	QETN1AM-228Z	E CAPACITOR	2200uF 10V M	
C006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C007	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C009	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C010	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C011	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C013	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C014	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C103	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C106	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C107	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C108	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C110	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C111	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C112	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C113	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C115	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C116	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C117	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C118	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C119	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C120	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C121	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C122	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C123	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

△Ref No.	Part No.	Part Name	Description	Local
C202	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C203	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C206	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C207	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C208	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C431	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C432	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C433	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C434	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C435	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C437	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C438	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C439	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C440	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C634	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C701	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C705	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C711	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C715	NCB31CK-563X	C CAPACITOR	0.056uF 16V K	
C716	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C903	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C905	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C906	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C907	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C909	QEZO256-128	E CAPACITOR	1200uF 10V M	
C911	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C912	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C914	QEZO256-128	E CAPACITOR	1200uF 10V M	
C916	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C917	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C918	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M	
C922	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C923	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C924	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C925	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C927	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
R002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R007	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R009	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R012	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R013	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R101	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R102	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R103	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R107	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R111	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R112	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R117	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R118	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R119	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R123	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R201	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R204	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R205	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R206	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R207	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R208	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R209	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R211	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R212	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R215	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R216	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R652	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R653	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R701	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R702	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R703	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R704	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
R706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		HS904	CM42862-A0A	HEAT SINK ASSY		
R711	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		HS913	CEHT11B-002QS	HEAT SINK		
R716	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		HS914	CEHT11B-002QS	HEAT SINK		
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		K901	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
R718	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K902	CE42050-001Z	BEADS CORE		
R719	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		K903	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
R720	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K904	CE42050-001Z	BEADS CORE		
R721	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		TU001	QAU0270-001	TUNER		
R722	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		X201	CSB503F30-T2	C RESONATOR		
R723	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		Y001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R724	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		Y602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R725	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		Y701	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R726	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		FRONT CONTROL PW BOARD ASS'Y				
R727	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		(SMK-8301A-U2)				
R729	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		△Ref No.	Part No.	Part Name	Description	Local
R730	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		Q8801	DTA124EKA-X	DIGI TRANSISTOR		
R731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		Q8801	SPR-39MWWF	LED	RED-GREEN	
R732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		Q8802	DTA124EKA-X	DIGI TRANSISTOR		
R735	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		Q8803	DTC124EKA-X	DIGI TRANSISTOR		
R736	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		C8001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
R737	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		C8002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
R738	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		C8003	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
R739	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		C8004	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
R740	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		C8005	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
R741	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		C8310	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
R742	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		C8311	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
R743	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		C8321	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R744	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R8001	QRE121J-271Y	C RESISTOR	270Ω 1/2W J	
R745	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R8002	QRE121J-271Y	C RESISTOR	270Ω 1/2W J	
R746	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R8010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R747	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R8011	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R748	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R8012	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R749	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R8021	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R8022	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R752	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R8023	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R753	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R8317	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R772	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R8801	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R773	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R8802	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R774	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R8804	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R775	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		L8001	QQR0716-001Z	FERRITE BEADS		
R776	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		L8002	QQL244K-5R6Z	COIL	5.6uH K	
R902	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J		L8003	QQL244K-5R6Z	COIL	5.6uH K	
R903	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J		L8310	QQL244K-270Z	COIL	27uH K	
R904	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J		L8311	QQL244K-270Z	COIL	27uH K	
R906	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J		L8312	QQR0716-001Z	FERRITE BEADS		
R907	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J		CN800B	QGA2501C5-06Z	CONNECTOR	W-B (1-6)	
R908	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN800F	QGA2501C1-12	CONNECTOR	W-B (1-12)	
R910	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN8016	QGA2501C5-05Z	CONNECTOR	W-B (1-5)	
R911	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J		J8001	QNS0169-001	3.5 JACK	HEADPHONE	
R912	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		J8303	QNZ0438-001	AV JACK	EXT-5	
R914	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		S8001	QSW0619-003Z	TACT SWITCH	POWER	
R915	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RECEIVER POWER PW BOARD ASS'Y				
R916	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D		(SMK-9301A-U2)				
R917	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D		△Ref No.	Part No.	Part Name	Description	Local
R918	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		IC9901	STR-G6653	IC		
R920	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D		△IC9931	QAL0425-001	POWER TRANSF		
R921	NRSA63D-471X	MG RESISTOR	470Ω 1/16W D		Q9971	2SC2412K/QR/-X	TRANSISTOR		
R922	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		Q9972	2SC1627A/Y-T	TRANSISTOR		
L001	QQL244K-270Z	COIL	27uH K		D9902	RG1C-LFA1	SI DIODE		
L002	QQL244K-100Z	COIL	10uH K		D9904	AU01Z-T2	FR DIODE		
L003	QQL244K-100Z	COIL	10uH K		D9905	AU01Z-T2	FR DIODE		
L201	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J		D9906	MA3270/H/-X	Z DIODE		
L431	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J		D9907	MA111-X	SI DIODE		
L432	QQL26AK-100Z	COIL	10uH K		D9908	MA3150/M/-X	Z DIODE		
L433	QQL26AK-100Z	COIL	10uH K		D9910	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L902	QQR1129-003	CHOKE COIL			D9931	S1WB/A/60-4101	BRIDGE DIODE		
L903	QQL50AK-330Z	COIL	33uH K		D9941	1SR124-400A-T2	SI DIODE		
L905	QQR1127-003	CHOKE COIL			D9951	EU2-T3	SI DIODE		
L906	QQL26AK-220Z	COIL	22uH K		D9952	FMX-G12S	SI DIODE		
L907	QQL26AK-820Z	COIL	82uH K		D9953	MA3330/L/-X	Z DIODE		
L908	QQR1127-003	CHOKE COIL							
L909	QQL50AK-100Z	COIL	10uH K						
CN001	QGB1506L1-16	CONNECTOR	B-B (1-16)						
CN002	QGB1506L1-16	CONNECTOR	B-B (1-16)						
CN004	QGB1232J1-50	B TO B CONNE							
CN005	QGC2507C1-96	CONNECTOR	(1-96)						
CN006	QGB1505J1-25	CONNECTOR	B-B (1-25)						
CN007	QGB1505J1-35	CONNECTOR	B-B (1-35)						
CN008	QGB1505J1-25	CONNECTOR	B-B (1-25)						
CN00B	QGA2501C5-06Z	CONNECTOR	W-B (1-6)						
CN00C	QGA2501F1-06	CONNECTOR	W-B (1-6)						
CN016	QGA2501C5-05Z	CONNECTOR	W-B (1-5)						
CN018	QGB1505J1-25	CONNECTOR	B-B (1-25)						
HS902	CM42862-A0A	HEAT SINK ASSY							
HS903	CM42862-A0A	HEAT SINK ASSY							

△Ref No.	Part No.	Part Name	Description	Local
D9954	NJM431L-T	IC		
D9971	MA111-X	SI DIODE		
△PC9901	PC123FY2	PHOTO COUPLER		
△C9901	QFZ9075-104	MPP CAPACITOR	0.1uF AC275V M	
△C9902	QFZ9075-104	MPP CAPACITOR	0.1uF AC275V M	
△C9903	QFZ9075-473	MPP CAPACITOR	0.047uF AC275V M	
△C9904	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
△C9905	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
△C9906	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
C9907	QEZ0199-127	E CAPACITOR	120uF	
C9908	QCB32HK-103	C CAPACITOR	0.01uF 500V K	
C9909	QCZ0122-391	C CAPACITOR	390pF 2kV K	
C9910	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
C9911	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C9912	QCZ0122-561	C CAPACITOR	560pF 2kV K	
C9913	NDC21HJ-471X	C CAPACITOR	470pF 50V J	
C9915	NDC21HJ-471X	C CAPACITOR	470pF 50V J	
△C9931	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
△C9932	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
△C9933	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
C9934	QETM2GM-226	E CAPACITOR	22uF 400V M	
C9941	QTMN1CM-477Z	E CAPACITOR	470uF 16V M	
C9942	QETN1AM-337Z	E CAPACITOR	330uF 10V M	
C9952	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C9954	QEZ0257-228	E CAPACITOR	2200uF 25V M	
C9955	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C9956	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
△C9997	QCZ9079-471	C CAPACITOR	470pF AC250V K	
△C9999	QCZ9079-222	C CAPACITOR	2200pF AC250V M	
R9901	QRF074K-5R6	UNF WW RESISTOR	5.6Ω 7W K	
R9902	QRE121J-474Y	C RESISTOR	470kΩ 1/2W J	
R9903	QRE121J-474Y	C RESISTOR	470kΩ 1/2W J	
R9904	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9905	QRL029J-823	OMF RESISTOR	82kΩ 2W J	
R9906	QRL029J-823	OMF RESISTOR	82kΩ 2W J	
R9907	QRL029J-683	OMF RESISTOR	68kΩ 2W J	
△R9908	QQRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	
R9909	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J	
R9911	QRE121J-332Y	C RESISTOR	3.3kΩ 1/2W J	
R9912	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R9913	QRT029J-3R3	MF RESISTOR	3.3Ω 2W J	
R9914	QRT029J-R33	MF RESISTOR	0.33Ω 2W J	
R9931	QRF054K-3R3	UNF WW RESISTOR	3.3Ω 5W K	
R9941	QRE121J-1R0Y	C RESISTOR	1Ω 1/2W J	
R9942	QRE121J-1R5Y	C RESISTOR	1.5Ω 1/2W J	
R9943	QRE121J-1R8Y	C RESISTOR	1.8Ω 1/2W J	
R9951	QRL029J-561	OMF RESISTOR	560Ω 2W J	
R9952	QRE121J-562Y	C RESISTOR	5.6kΩ 1/2W J	
R9953	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9954	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R9955	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R9956	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9958	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R9971	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9972	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9973	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
△R9999	QQRZ9046-825Z	C RESISTOR	8.2MΩ 1/2W K	
L9941	QQL26AM-4R7Z	COIL	4.7uH M	
L9951	QQL26AK-220Z	COIL	22uH K	
L9952	QQLZ018-220	COIL	22uH	
L9971	QQL26AK-220Z	COIL	22uH K	
CN9001	QGB1506M1-16	CONNECTOR	B-B (1-16)	
CN9002	QGB1506M1-16	CONNECTOR	B-B (1-16)	
CN90PW	QGA7901C1-02	CONNECTOR	W-B (1-2)	
△F9901	QMF51D2-2R5-J1	FUSE	2.5A AC250V	
FC9901	CEMG002-001Z	FUSE CLIP		
FC9902	CEMG002-001Z	FUSE CLIP		
HS9901	LC30710-001A	HEAT SINK/FE-P/		
HS9951	CEHT11B-002QS	HEAT SINK		
K9901	QQR0679-001	FERRITE BEADS		
△LF9901	QQR0810-001	LINE FILTER		
△RY9951	QSK0099-001	RELAY		
VA9901	QAF0052-621	VARIATOR	620V	
W9201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W9202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W9203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W9204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

MI-COM PW BOARD ASS'Y (SMK0M301A-U2)

△Ref No.	Part No.	Part Name	Description	Local
IC001	SDA6000-B12	IC		
IC002	S-80828CNNB-W	IC		
IC003	K4S641632F-TC75	IC(DIGITAL)		
IC004	MBV160T90PTB02	IC		
IC901	TA48M025F-X	IC		
IC902	TA48M033F-X	IC		
Q001	2SC2712/YG/-X	TRANSISTOR		
Q002	2SC2712/YG/-X	TRANSISTOR		
Q007	2SA1162/YG/-X	TRANSISTOR		
Q008	2SA1162/YG/-X	TRANSISTOR		
Q009	2SC2712/YG/-X	TRANSISTOR		
Q010	2SC2712/YG/-X	TRANSISTOR		
Q011	2SC2712/YG/-X	TRANSISTOR		
Q012	2SC2712/YG/-X	TRANSISTOR		
Q013	2SK1374-X	MOS FET		
Q014	2SK1374-X	MOS FET		
Q015	2SK1374-X	MOS FET		
Q016	2SK1374-X	MOS FET		
Q017	2SK1374-X	MOS FET		
Q018	2SK1374-X	MOS FET		
Q019	2SK1374-X	MOS FET		
Q021	2SC2712/YG/-X	TRANSISTOR		
Q022	2SC2712/YG/-X	TRANSISTOR		
D001	MA111-X	SI DIODE		
D002	MA111-X	SI DIODE		
D003	MA3068/M/-X	Z DIODE		
D005	MA3056/M/-X	Z DIODE		
D006	MA3056/M/-X	Z DIODE		
D007	MA3056/M/-X	Z DIODE		
D008	MA3056/M/-X	Z DIODE		
C001	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C003	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C004	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C005	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C006	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C007	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C008	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C012	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C014	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C019	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C020	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C021	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C022	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C023	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C025	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C026	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C027	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C028	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C029	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C034	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C040	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C041	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C043	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C046	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C048	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C050	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C051	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C052	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C053	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C054	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C055	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C056	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C057	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C059	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C060	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C061	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
C063	NDC31HJ-820X	C CAPACITOR	82pF 50V J		R109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C064	NDC31HJ-820X	C CAPACITOR	82pF 50V J		R110	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C065	NDC31HJ-820X	C CAPACITOR	82pF 50V J		R111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C066	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R112	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C067	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R113	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
					R114	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R001	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R119	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R002	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R120	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R003	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R121	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R004	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R122	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R005	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R123	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R006	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J		R124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R125	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R126	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R009	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R127	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R128	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R011	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R129	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R012	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R130	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R013	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R131	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R014	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R132	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R015	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R016	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R017	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R136	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R137	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R019	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R138	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R020	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R139	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R022	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R144	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R024	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R147	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R027	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R148	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R030	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R149	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R032	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R151	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R152	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R153	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R154	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R037	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R155	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R156	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R039	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R158	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R165	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R041	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R166	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R042	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R167	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R046	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R168	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R169	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R048	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R050	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R172	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R173	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R174	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R176	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R177	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R178	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R179	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L001	NQL092K-4R7X	P COIL	4.7uH K	
R060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L003	NQL092K-4R7X	P COIL	4.7uH K	
R061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L005	NQL092K-4R7X	P COIL	4.7uH K	
R062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L006	NQL092K-4R7X	P COIL	4.7uH K	
R063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L007	NQL092K-4R7X	P COIL	4.7uH K	
R064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L008	NQL092K-4R7X	P COIL	4.7uH K	
R065	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L009	NQL034K-4R7X	COIL	4.7uH K	
R066	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L010	NQL092K-4R7X	P COIL	4.7uH K	
R067	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L011	NQL092K-4R7X	P COIL	4.7uH K	
R068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L012	NQL092K-4R7X	P COIL	4.7uH K	
R069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L013	NQL092K-4R7X	P COIL	4.7uH K	
R070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L014	NQL092K-4R7X	P COIL	4.7uH K	
R071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L015	NQL034K-4R7X	COIL	4.7uH K	
R072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L016	NQL034K-4R7X	COIL	4.7uH K	
R073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L017	NQL092K-1R5X	P COIL	1.5uH K	
R074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L018	NQL092K-1R5X	P COIL	1.5uH K	
R075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L019	NQL092K-1R5X	P COIL	1.5uH K	
R076	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L020	NQL092K-1R5X	P COIL	1.5uH K	
R077	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L021	NQL092K-1R5X	P COIL	1.5uH K	
R087	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		L022	NQL092K-1R5X	P COIL	1.5uH K	
R089	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J						
R090	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		CN004	NZZ000000000776	B TO B CONNE		
R095	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		CN0J1	QGA2001F1-09	CONNECTOR	W-B (1-9)	
R096	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		K001	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	
R097	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K002	NQR0389-003X	FERRITE BEADS		
R098	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		K003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R099	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K004	NQR0389-003X	FERRITE BEADS		
R100	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		LC001	NQR0313-007X	EMI FILTER	1000pF 50V M	
R101	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		LC002	NQR0431-001X	EMI FILTER	0.22uF 50V Z	
R102	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		X001	QAX0669-001Z	CRYSTAL	6MHz	
R103	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R104	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R105	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J						
R108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						

MI-COM INTERFACE PW BOARD ASS'Y
(SMK0M311A-U2)

△Ref No.	Part No.	Part Name	Description	Local
IC101	TC74HC4066AP	IC		
Q101	2SC1815/YG/-T	TRANSISTOR		
C101	QCB31HK-103Z	C CAPACITOR	0.01uF 50V K	
C102	QCB31HK-103Z	C CAPACITOR	0.01uF 50V K	
R101	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	
R102	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	
R103	QRK126J-473X	UNF C RESISTOR	47kΩ 1/2W J	
R104	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	
R105	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	
R106	QRK126J-473X	UNF C RESISTOR	47kΩ 1/2W J	
R107	QRK126J-473X	UNF C RESISTOR	47kΩ 1/2W J	
CN004	NZZ000000000845	B TO B CONNE		
CN00L	QGA2001C1-14	CONNECTOR	W-B (1-14)	
CN014	NZZ000000000777	B TO B CONNE		
CN0L1	QGA2001C1-06	CONNECTOR	W-B (1-6)	

SUB TUNER PW BOARD ASS'Y (SMK0F301A-U2)

△Ref No.	Part No.	Part Name	Description	Local
UD001	QAU0283-001	RF SPLITTER	75Ω 44MHz-872MHz	
C001	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C002	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C004	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C005	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C006	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C009	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C010	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C011	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
R001	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R005	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L001	QQL244K-270Z	COIL	27uH K	
L002	QQL244K-100Z	COIL	10uH K	
L003	QQL244K-100Z	COIL	10uH K	
CN008	QGB1505K1-25	CONNECTOR	B-B (1-25)	
CN00A	QGA2501C1-10	CONNECTOR	W-B (1-10)	
CN018	QGB1505K1-25	CONNECTOR	B-B (1-25)	
LC001	NQR0431-001X	EMI FILTER	0.22uF 50V Z	
TU002	QAU0301-001	TUNER	V /U / CATV	

AV JACK PW BOARD ASS'Y (SMK0J301A-U2)

△Ref No.	Part No.	Part Name	Description	Local
D101	MA3056/M/-X	Z DIODE		
D102	MA3056/M/-X	Z DIODE		
D103	MA3056/M/-X	Z DIODE		
D104	MA3056/M/-X	Z DIODE		
D111	MA3056/M/-X	Z DIODE		
D112	MA3056/M/-X	Z DIODE		
D113	MA3056/M/-X	Z DIODE		
D114	MA3039/H/-X	Z DIODE		
C101	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C102	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C103	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C104	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C111	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C112	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C113	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C114	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C122	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C124	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C301	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C311	QETN1HM-106Z	E CAPACITOR	10uF 50V M	

△Ref No.	Part No.	Part Name	Description	Local
C321	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C341	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C342	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C601	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C602	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C603	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
R105	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R106	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R107	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R108	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R109	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R115	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R116	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R117	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R118	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R119	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R127	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R129	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R301	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R311	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R321	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	

CN00G	QGA2501C5-03Z	CONNECTOR	W-B (1-3)
CN020	QGB1505K1-40	CONNECTOR	B-B (1-40)
J001	CE40529-006	SCART CONNECTOR	EXT-1
J002	CE40529-006	SCART CONNECTOR	EXT-2
J003	CE40529-006	SCART CONNECTOR	EXT-3
J004	QNN0463-001	PIN JACK	EXT-4
J005	QNN0493-001	PIN JACK	EXT-4
J006	QNN0493-001	PIN JACK	AUDIO OUT
K101	CE42681-001Y	CHIP BEADS CORE	
K102	CE42681-001Y	CHIP BEADS CORE	
K103	CE42681-001Y	CHIP BEADS CORE	
K104	CE42681-001Y	CHIP BEADS CORE	
K105	QQR0716-001Z	FERRITE BEADS	
K601	CE42681-001Y	CHIP BEADS CORE	
K602	CE42681-001Y	CHIP BEADS CORE	

AV SW PW BOARD ASS'Y (SMK0S301A-U2)

△Ref No.	Part No.	Part Name	Description	Local
IC101	CXA2069Q	IC		
IC501	MSP3415DQGB3GHX	IC		
IC601	BA10324AF-XE	IC		
IC602	BA4558F-X	IC		
IC662	BA4558F-X	IC		
IC901	AN77L08-T	IC		
Q101	2SC2412K/QR/-X	TRANSISTOR		
Q102	2SC2412K/QR/-X	TRANSISTOR		
Q103	2SA1037AK/QR/-X	TRANSISTOR		
Q104	DTC323TK-X	DIGI TRANSISTOR		
Q105	DTC323TK-X	DIGI TRANSISTOR		
Q106	2SC1740S/QR/-T	TRANSISTOR		
Q131	2SA933AS/QR/-T	TRANSISTOR		
Q136	DTC323TK-X	DIGI TRANSISTOR		
Q137	DTC323TK-X	DIGI TRANSISTOR		
Q138	2SA1037AK/QR/-X	TRANSISTOR		
Q201	2SC2412K/QR/-X	TRANSISTOR		
Q202	2SC2412K/QR/-X	TRANSISTOR		
Q211	2SC2412K/QR/-X	TRANSISTOR		
Q212	2SC2412K/QR/-X	TRANSISTOR		
Q221	2SC2412K/QR/-X	TRANSISTOR		
Q222	2SC2412K/QR/-X	TRANSISTOR		
Q231	2SC2412K/QR/-X	TRANSISTOR		
Q232	2SC2412K/QR/-X	TRANSISTOR		
Q501	2SC2412K/QR/-X	TRANSISTOR		
Q502	2SC2412K/QR/-X	TRANSISTOR		
Q601	DTC323TK-X	DIGI TRANSISTOR		
Q602	DTC323TK-X	DIGI TRANSISTOR		
Q603	2SA1037AK/QR/-X	TRANSISTOR		
Q604	DTC323TK-X	DIGI TRANSISTOR		
Q605	DTC323TK-X	DIGI TRANSISTOR		
Q606	2SA1037AK/QR/-X	TRANSISTOR		
D131	MA3120/M/-X	Z DIODE		
D161	MA3120/M/-X	Z DIODE		
D162	MA3120/M/-X	Z DIODE		
D163	MA3120/M/-X	Z DIODE		
D164	MA3120/M/-X	Z DIODE		
D681	MA3150/M/-X	Z DIODE		
D682	MA3150/M/-X	Z DIODE		

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
C105	QETN1CM-477Z	E CAPACITOR	470uF 16V M		C606	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C115	QETN1CM-477Z	E CAPACITOR	470uF 16V M		C607	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C125	NCB31HK-102X	C CAPACITOR	1000pF 50V K		C608	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C131	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C609	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C132	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C610	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C133	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C611	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	
C141	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C612	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	
C142	QETN1HM-105Z	E CAPACITOR	1uF 50V M		C613	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C143	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C671	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C144	QETN1HM-105Z	E CAPACITOR	1uF 50V M		C672	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C145	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C673	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C146	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C678	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C147	QETN1HM-105Z	E CAPACITOR	1uF 50V M		C679	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C148	QETN1HM-105Z	E CAPACITOR	1uF 50V M		C680	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C149	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C681	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C150	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C682	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C151	QETN1HM-105Z	E CAPACITOR	1uF 50V M		C683	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C152	QETN1HM-105Z	E CAPACITOR	1uF 50V M		C901	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C153	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C902	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C161	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C903	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C162	NDC31HJ-150X	C CAPACITOR	15pF 50V J		R101	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C163	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R102	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
C164	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R103	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C165	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R104	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
C166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R111	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C167	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M		R112	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
C168	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M		R113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C169	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M		R114	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
C170	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R131	QRG01GJ-101	OMF RESISTOR	100Ω 1W J	
C171	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R132	QRK126J-181X	UNF C RESISTOR	180Ω 1/2W J	
C172	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R133	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C173	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R134	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C174	QETN1CM-477Z	E CAPACITOR	470uF 16V M		R135	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
C175	QENC1HM-225Z	BP E CAPACITOR	2.2uF 50V M		R136	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
C176	QENC1HM-225Z	BP E CAPACITOR	2.2uF 50V M		R137	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
C177	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M		R138	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
C178	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R139	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C179	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R141	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C181	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M		R142	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C182	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M		R143	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C183	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M		R144	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C184	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R145	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C185	QETN1HM-476Z	E CAPACITOR	47uF 50V M		R146	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C190	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R147	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C213	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C214	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R149	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C343	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R150	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C344	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R151	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C501	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R152	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R154	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C504	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R155	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C505	NDC31HJ-180X	C CAPACITOR	18pF 50V J		R160	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C506	NDC31HJ-470X	C CAPACITOR	47pF 50V J		R161	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C507	NDC31HJ-470X	C CAPACITOR	47pF 50V J		R162	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C508	NDC31HJ-821X	C CAPACITOR	820pF 50V J		R163	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R164	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
C510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R165	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C511	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J		R166	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C512	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J		R167	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R168	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C514	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R169	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
C515	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		R170	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C516	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R171	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C517	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R172	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C518	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		R173	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
C519	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		R174	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
C520	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		R175	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C521	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		R176	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C522	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R177	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
C523	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R178	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
C524	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R179	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
C525	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R180	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
C526	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R181	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C527	NDC31HJ-102X	C CAPACITOR	1000pF 50V J		R182	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C528	NDC31HJ-102X	C CAPACITOR	1000pF 50V J		R183	QRK126J-151X	UNF C RESISTOR	150Ω 1/2W J	
C529	NDC31HJ-102X	C CAPACITOR	1000pF 50V J		R184	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C530	NDC31HJ-102X	C CAPACITOR	1000pF 50V J		R185	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C531	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R186	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C532	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R187	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C533	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R188	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C534	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R189	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
C601	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R190	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C602	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R191	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C603	QETN1CM-476Z	E CAPACITOR	47uF 16V M		R192	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
C604	QETN1CM-476Z	E CAPACITOR	47uF 16V M		R193	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C605	QETN1HM-106Z	E CAPACITOR	10uF 50V M						

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
R194	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R631	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R632	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R202	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R633	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R203	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J		R634	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R204	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R635	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R205	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R636	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R206	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R637	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R207	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R671	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R208	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R672	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R211	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R673	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R212	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R674	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R213	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J		R675	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R214	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R677	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R215	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R678	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R216	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R680	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R217	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R681	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R218	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R682	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R221	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R683	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R222	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R684	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R223	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J		R685	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R224	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R686	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R225	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		L501	QQL244K-220Z	COIL	22uH K	
R226	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		L502	QQL244K-180Z	COIL	18uH K	
R227	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		L503	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
R228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		L504	QQL244K-4R7Z	COIL	4.7uH K	
R231	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		CN006	QGB1505K1-25	CONNECTOR	B-B (1-25)	
R232	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		CN007	QGB1505K1-35	CONNECTOR	B-B (1-35)	
R234	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		CN00A	QGA2501C1-10	CONNECTOR	W-B (1-10)	
R235	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		CN00F	QGA2501C1-12	CONNECTOR	W-B (1-12)	
R241	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		CN00G	QGA2501C5-03Z	CONNECTOR	W-B (1-3)	
R242	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		CN00K	QGA2001C1-06	CONNECTOR	W-B (1-6)	
R250	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN020	QGB1505J1-40	CONNECTOR	B-B (1-40)	
R251	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K501	NQR0389-003X	FERRITE BEADS		
R255	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		K502	NQR0389-003X	FERRITE BEADS		
R257	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		LC501	NQR0431-001X	EMI FILTER	0.22uF 50V Z	
R258	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		X501	CE42546-001Z	X TAL		
R260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		Y001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R263	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		Y002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R341	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		Y502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R342	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		Y601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R343	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		Y602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R344	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J						
R501	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J						
R502	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J						
R503	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J						
R504	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J						
R505	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J						
R506	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J						
R507	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J						
R510	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R511	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R514	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R516	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R517	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R518	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R519	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J						
R601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R602	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J						
R603	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R604	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J						
R605	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R606	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
R608	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
R609	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R610	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R611	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R612	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R613	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R614	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J						
R615	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J						
R616	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R617	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R618	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R619	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R620	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R621	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J						
R622	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J						
R623	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R624	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R625	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J						
R626	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J						
R627	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J						
R628	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J						
R629	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R630	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						

DIST RELAY PW BOARD ASS'Y (SMK0Z311A-U2)

△Ref No.	Part No.	Part Name	Description	Local
CN015	QGC2507C1-96	CONNECTOR	(1-96)	

DIST PW BOARD ASS'Y (SMK0Z301A-U2)

△Ref No.	Part No.	Part Name	Description	Local
IC001	TC90A90FG	IC	100pin	
IC002	TC7WH34FU-X	IC		
IC003	AD9883AKST-110	IC	80pin	
IC004	TC7WH34FU-X	IC		
IC005	MSM514265E-60TS	IC		
IC101	TMS57128GJG	IC	264pin	
IC102	HY5DU643222AQ-5	IC	100pin	
IC103	MBV400TC90PFN16	IC(MICRO C ROM)		
IC104	TC7WH74FU-X	IC(DIGITAL)		
IC105	TC7S08F-X	IC(DIGITAL)		
IC106	S-80828CLNB-W	IC		
IC107	LP3964EMP-ADJ-X	IC		
IC108	LP3964EMP-ADJ-X	IC		
IC201	JCC5054	IC	256pin	
IC203	R1170H151B-X	IC		
IC206	R1170H251B-X	IC		
IC207	BU2098F-X	IC		
IC210	TLC2932IPW-X	IC		
IC211	TC74AC74F-X	SOP IC		
IC212	TC7WHU04FU-X	IC		
IC213	TC7MB3253FK-X	IC		
IC214	TC7SET32FU-X	IC(DIGITAL)		
IC251	UPD64083GF	IC	100pin	
IC253	R1170H251B-X	IC		
IC461	JCC5056	IC	256pin	
IC462	EP1K10TC144-3	IC	144pin	
IC463	EPC2LC20	IC(DIGITAL)		
IC464	TC74VHC574FT-X	IC(DIGITAL)		
IC465	TC7SZ04F-X	IC		
IC501	THS8083A	IC		
IC602	MAX3221CAE-X	IC		
IC701	TB1274AF	IC		
IC702	TC90A69AF-X	IC		
IC703	TC4053BF/N-XE	IC		
IC801	TB1274AF	IC		
IC802	TC90A69AF-X	IC		
IC803	BA05FP-X	IC		
IC901	SII170BCL64	IC		
IC903	IC-PST575M/J-X	IC		
IC904	R1170H331B-X	IC		
Q101	2SC2412K/QR/-X	TRANSISTOR		
Q102	2SC2412K/QR/-X	TRANSISTOR		
Q103	2SA1037AK/QR/-X	TRANSISTOR		
Q104	2SC2412K/QR/-X	TRANSISTOR		
Q105	2SA1037AK/QR/-X	TRANSISTOR		
Q106	2SC2412K/QR/-X	TRANSISTOR		
Q107	DTC124EKA-X	DIGI TRANSISTOR		
Q401	2SA1037AK/QR/-X	TRANSISTOR		
Q402	2SC2412K/QR/-X	TRANSISTOR		
Q403	2SA1037AK/QR/-X	TRANSISTOR		
Q431	2SA1037AK/QR/-X	TRANSISTOR		
Q432	2SC2412K/QR/-X	TRANSISTOR		
Q433	2SA1037AK/QR/-X	TRANSISTOR		
Q434	2SA1037AK/QR/-X	TRANSISTOR		
Q501	2SA1022/BC/-X	TRANSISTOR		
Q502	2SA1022/BC/-X	TRANSISTOR		
Q503	2SA1022/BC/-X	TRANSISTOR		
Q601	2SC2412K/QR/-X	TRANSISTOR		
Q701	2SA1037AK/QR/-X	TRANSISTOR		
Q702	2SA1037AK/QR/-X	TRANSISTOR		
Q703	2SA1037AK/QR/-X	TRANSISTOR		
Q753	2SC2412K/QR/-X	TRANSISTOR		
Q754	2SC2412K/QR/-X	TRANSISTOR		
Q755	2SC2412K/QR/-X	TRANSISTOR		
Q756	2SA1037AK/QR/-X	TRANSISTOR		
Q758	2SC2412K/QR/-X	TRANSISTOR		
Q759	2SC2412K/QR/-X	TRANSISTOR		
Q760	2SA1037AK/QR/-X	TRANSISTOR		
Q762	2SC2412K/QR/-X	TRANSISTOR		
Q763	2SC2412K/QR/-X	TRANSISTOR		
Q764	IMX1-XW	PAIR TRANSISTOR		
Q791	2SC2412K/QR/-X	TRANSISTOR		
Q792	2SC2412K/QR/-X	TRANSISTOR		
Q793	DTC124EKA-X	DIGI TRANSISTOR		
Q801	2SA1037AK/QR/-X	TRANSISTOR		
Q802	2SA1037AK/QR/-X	TRANSISTOR		

△Ref No.	Part No.	Part Name	Description	Local
Q853	2SC2412K/QR/-X	TRANSISTOR		
Q854	2SC2412K/QR/-X	TRANSISTOR		
Q855	2SC2412K/QR/-X	TRANSISTOR		
Q856	2SA1037AK/QR/-X	TRANSISTOR		
Q858	2SC2412K/QR/-X	TRANSISTOR		
Q859	2SC2412K/QR/-X	TRANSISTOR		
Q860	2SA1037AK/QR/-X	TRANSISTOR		
Q862	2SC2412K/QR/-X	TRANSISTOR		
Q863	2SC2412K/QR/-X	TRANSISTOR		
Q864	IMX1-XW	PAIR TRANSISTOR		
Q903	2SK1374-X	MOS FET		
Q904	2SK1374-X	MOS FET		
QB001	2SC2412K/QR/-X	TRANSISTOR		
QB002	2SC2412K/QR/-X	TRANSISTOR		
QB003	2SA1037AK/QR/-X	TRANSISTOR		
QB005	2SC2412K/QR/-X	TRANSISTOR		
QB006	2SC2412K/QR/-X	TRANSISTOR		
QB007	2SA1037AK/QR/-X	TRANSISTOR		
QB009	2SC2412K/QR/-X	TRANSISTOR		
QB010	2SC2412K/QR/-X	TRANSISTOR		
QB011	2SA1037AK/QR/-X	TRANSISTOR		
QB020	2SK1374-X	MOS FET		
QB021	2SK1374-X	MOS FET		
QB101	2SC3837K/NP/-X	TRANSISTOR		
QB102	2SA1022/BC/-X	TRANSISTOR		
QB103	2SC3837K/NP/-X	TRANSISTOR		
QB104	2SA1022/BC/-X	TRANSISTOR		
QB105	2SC3837K/NP/-X	TRANSISTOR		
QB106	2SA1022/BC/-X	TRANSISTOR		
QB107	IMX1-XW	PAIR TRANSISTOR		
QB108	IMX1-XW	PAIR TRANSISTOR		
QB109	IMX1-XW	PAIR TRANSISTOR		
D601	1SS355-X	SI DIODE		
D602	1SS355-X	SI DIODE		
D902	BAV99L-X	SI DIODE		
D903	BAV99L-X	SI DIODE		
D904	BAV99L-X	SI DIODE		
D905	BAV99L-X	SI DIODE		
D906	BAV99L-X	SI DIODE		
D907	BAV99L-X	SI DIODE		
D908	BAV99L-X	SI DIODE		
D909	BAV99L-X	SI DIODE		
D910	BAV99L-X	SI DIODE		
D911	BAV99L-X	SI DIODE		
D912	BAV99L-X	SI DIODE		
C001	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C003	NCB21CK-334X	C CAPACITOR	0.33uF 16V K	
C004	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C005	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C007	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C009	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C010	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C101	NEN51AM-336X	BP E CAPACITOR	33uF 10V M	
C102	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C103	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C104	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C105	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C108	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C110	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C111	NEN51VM-225X	BP E CAPACITOR	2.2uF 35V M	
C302	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C305	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C307	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C309	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C310	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C313	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C317	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C319	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C325	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C326	NDC31HJ-100X	C CAPACITOR	10pF 50V J	

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
C401	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C707	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C402	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C708	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C403	NDC31HJ-150X	C CAPACITOR	15pF 50V J		C709	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C404	NDC31HJ-121X	C CAPACITOR	120pF 50V J		C710	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C405	NDC31HJ-330X	C CAPACITOR	33pF 50V J		C711	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C406	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z		C712	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C431	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C713	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C432	NDC31HJ-221X	C CAPACITOR	220pF 50V J		C714	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C434	NDC31HJ-221X	C CAPACITOR	220pF 50V J		C715	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C436	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z		C716	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C461	NEH70JM-107X	E CAPACITOR	100uF 6.3V M		C717	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C462	NEH70JM-107X	E CAPACITOR	100uF 6.3V M		C718	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C463	NEH70JM-107X	E CAPACITOR	100uF 6.3V M		C719	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C464	NEH70JM-107X	E CAPACITOR	100uF 6.3V M		C720	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C465	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C466	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C722	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C467	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C723	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C468	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C724	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C469	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C750	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C470	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C751	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C471	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C752	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C472	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C753	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C473	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C754	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C474	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C755	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C475	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C756	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C476	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C757	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C477	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C758	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C478	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C759	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C479	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C760	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C480	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C761	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C481	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C762	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C491	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C763	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C501	NEH71CM-106X	E CAPACITOR	10uF 16V M		C764	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C502	NEH71CM-106X	E CAPACITOR	10uF 16V M		C765	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C766	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C767	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C768	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C769	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C770	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C508	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C771	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C509	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C772	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C510	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C773	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C774	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C512	NEH71CM-106X	E CAPACITOR	10uF 16V M		C775	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C513	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C776	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C514	NEH71CM-106X	E CAPACITOR	10uF 16V M		C777	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C515	NEH71CM-106X	E CAPACITOR	10uF 16V M		C778	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C516	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C779	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C518	NEH71CM-106X	E CAPACITOR	10uF 16V M		C780	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C519	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C781	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C520	NCB31HK-102X	C CAPACITOR	1000pF 50V K		C782	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C521	NEH71CM-106X	E CAPACITOR	10uF 16V M		C783	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C522	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C784	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C524	NEH71CM-106X	E CAPACITOR	10uF 16V M		C785	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C525	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C786	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C526	NCB31HK-102X	C CAPACITOR	1000pF 50V K		C787	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C527	NEH71CM-106X	E CAPACITOR	10uF 16V M		C788	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C528	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C789	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C530	NEH71CM-106X	E CAPACITOR	10uF 16V M		C790	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C791	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C532	NCB31HK-102X	C CAPACITOR	1000pF 50V K		C792	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C551	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C793	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C794	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C553	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C795	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C554	NDC31HJ-390X	C CAPACITOR	39pF 50V J		C796	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C556	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J		C797	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C557	NDC31HJ-390X	C CAPACITOR	39pF 50V J		C801	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C559	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J		C802	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C560	NDC31HJ-390X	C CAPACITOR	39pF 50V J		C803	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C562	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J		C804	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C563	NEN51HM-474X	BP E CAPACITOR	0.47uF 50V M		C805	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C564	NEN51HM-474X	BP E CAPACITOR	0.47uF 50V M		C806	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C565	NEN51HM-474X	BP E CAPACITOR	0.47uF 50V M		C807	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C651	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C808	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C652	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C809	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C653	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C810	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C654	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C811	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C655	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C812	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C656	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C813	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C691	NEH70JM-107X	E CAPACITOR	100uF 6.3V M		C814	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C692	NEH70JM-107X	E CAPACITOR	100uF 6.3V M		C815	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C701	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C816	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C702	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C817	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C703	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C818	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C704	NEH71CM-476X	E CAPACITOR	47uF 16V M		C819	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C820	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C706	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C821	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
C822	NCB11CK-225X	C CAPACITOR	2.2uF 16V K		CB022	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C823	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		CB023	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C824	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		CB024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C849	NDC31HJ-100X	C CAPACITOR	10pF 50V J		CB025	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C850	NDC31HJ-180X	C CAPACITOR	18pF 50V J		CB026	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C851	NDC31HJ-560X	C CAPACITOR	56pF 50V J		CB027	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C852	NDC31HJ-560X	C CAPACITOR	56pF 50V J		CB028	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C853	NEH71CM-476X	E CAPACITOR	47uF 16V M		CB029	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C854	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		CB031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		CB032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C857	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		CB033	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		CB034	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C859	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		CB035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		CB036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C861	NDC31HJ-681X	C CAPACITOR	680pF 50V J		CB037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C862	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C863	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		CB039	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C864	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		CB040	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C865	NDC31HJ-560X	C CAPACITOR	56pF 50V J		CB041	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C866	NDC31HJ-560X	C CAPACITOR	56pF 50V J		CB042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C867	NEH71CM-476X	E CAPACITOR	47uF 16V M		CB043	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C868	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB044	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C869	NDC31HJ-560X	C CAPACITOR	56pF 50V J		CB045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C870	NDC31HJ-560X	C CAPACITOR	56pF 50V J		CB046	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C871	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C872	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB048	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C873	NDC31HJ-330X	C CAPACITOR	33pF 50V J		CB049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C874	NDC31HJ-150X	C CAPACITOR	15pF 50V J		CB050	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C875	NDC31HJ-100X	C CAPACITOR	10pF 50V J		CB051	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C876	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		CB052	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C877	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		CB053	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C878	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB101	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C879	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB104	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C880	NEH70JM-107X	E CAPACITOR	100uF 6.3V M		CB105	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C881	NEH70JM-107X	E CAPACITOR	100uF 6.3V M		CB106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C882	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		CB107	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C883	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		CB110	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C884	NEH70JM-107X	E CAPACITOR	100uF 6.3V M		CB111	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C885	NEH70JM-107X	E CAPACITOR	100uF 6.3V M		CB112	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C886	NEH71CM-106X	E CAPACITOR	10uF 16V M		CB113	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C887	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB116	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C888	NEH70JM-107X	E CAPACITOR	100uF 6.3V M		CB117	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C889	NEH71CM-106X	E CAPACITOR	10uF 16V M		CB118	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C890	NEH71CM-106X	E CAPACITOR	10uF 16V M		CB119	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C891	NEH71CM-476X	E CAPACITOR	47uF 16V M		CB120	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C892	NDC31HJ-180X	C CAPACITOR	18pF 50V J		CB121	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C894	NDC31HJ-180X	C CAPACITOR	18pF 50V J		CB122	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C901	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB123	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C902	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB124	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C904	NDC31HJ-102X	C CAPACITOR	1000pF 50V J		CB125	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C905	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB126	NCB31EK-393X	C CAPACITOR	0.039uF 25V K	
C906	NCF41CZ-106X	C CAPACITOR	10uF 16V Z		CB127	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
C907	NDC31HJ-102X	C CAPACITOR	1000pF 50V J		CB128	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C908	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB129	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C909	NCF41CZ-106X	C CAPACITOR	10uF 16V Z		CB130	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C910	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB131	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C911	NDC31HJ-102X	C CAPACITOR	1000pF 50V J		CB132	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C912	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB133	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C913	NCF41CZ-106X	C CAPACITOR	10uF 16V Z		CB134	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C914	NDC31HJ-102X	C CAPACITOR	1000pF 50V J		CB135	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C915	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB136	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C916	NCF41CZ-106X	C CAPACITOR	10uF 16V Z		CB137	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C917	NCF41CZ-106X	C CAPACITOR	10uF 16V Z		CB138	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C918	NCF41CZ-106X	C CAPACITOR	10uF 16V Z		CB139	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C919	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB140	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C920	NDC31HJ-102X	C CAPACITOR	1000pF 50V J		CB144	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C921	NDC31HJ-102X	C CAPACITOR	1000pF 50V J		CB145	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C922	NDC31HJ-102X	C CAPACITOR	1000pF 50V J		CB146	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C930	NEH71HM-475X	E CAPACITOR	4.7uF 50V M		CB201	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C931	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB202	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C932	NEH71HM-225X	E CAPACITOR	2.2uF 50V M		CB208	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C934	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB209	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB001	NEH71CM-106X	E CAPACITOR	10uF 16V M		CB219	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB002	NDC31HJ-120X	C CAPACITOR	12pF 50V J		CB220	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB003	NDC31HJ-220X	C CAPACITOR	22pF 50V J		CB225	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB004	NDC31HJ-150X	C CAPACITOR	15pF 50V J		CB226	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB233	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB007	NEH71CM-106X	E CAPACITOR	10uF 16V M		CB234	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB008	NDC31HJ-121X	C CAPACITOR	120pF 50V J		CB301	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB009	NDC31HJ-121X	C CAPACITOR	120pF 50V J		CB302	NEX50GM-107X	E CAPACITOR	100uF 4V M	
CB010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB303	NEX50GM-107X	E CAPACITOR	100uF 4V M	
CB011	NEH71CM-106X	E CAPACITOR	10uF 16V M		CB304	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB012	NDC31HJ-121X	C CAPACITOR	120pF 50V J		CB305	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB013	NDC31HJ-121X	C CAPACITOR	120pF 50V J		CB306	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB021	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		CB308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
CB309	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB572	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB310	NEH71CM-106X	E CAPACITOR	10uF 16V M		CB601	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB311	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB602	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB312	NCB31AK-334X	C CAPACITOR	0.33uF 10V K		CB603	NCB21HK-472X	C CAPACITOR	4700pF 50V K	
CB313	NCB31HK-682X	C CAPACITOR	6800pF 50V K		CB604	NEH71HM-474X	E CAPACITOR	0.47uF 50V M	
CB314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB607	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB608	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB609	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB317	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB610	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB611	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB319	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB612	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB320	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		CB621	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z						
CB322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CB323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R003	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
CB324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R101	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
CB325	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R102	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
CB326	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R103	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CB327	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
CB328	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R105	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
CB329	NCB31AK-334X	C CAPACITOR	0.33uF 10V K		R106	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
CB330	NCB31HK-822X	C CAPACITOR	8200pF 50V K		R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
CB331	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R108	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
CB332	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R109	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
CB333	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R110	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
CB334	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R112	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
CB335	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R113	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
CB336	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R114	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
CB337	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R115	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
CB340	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R116	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
CB341	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R117	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
CB342	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R118	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
CB343	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R119	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
CB344	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R122	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
CB345	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R302	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
CB346	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CB347	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R304	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CB348	NEH71EM-336X	E CAPACITOR	33uF 25V M		R306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
CB349	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
CB350	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R308	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
CB351	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R310	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
CB352	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R313	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
CB353	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R314	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
CB354	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R315	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
CB355	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R319	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CB356	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CB357	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R402	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CB359	NDC31HJ-221X	C CAPACITOR	220pF 50V J		R403	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
CB360	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R404	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
CB361	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
CB362	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z		R407	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CB363	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z		R408	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
CB364	NBE71CM-476X	TA E CAPACITOR	47uF 16V M		R409	NRVA63D-471X	CMF RESISTOR	470Ω 1/16W D	
CB365	NBE71CM-476X	TA E CAPACITOR	47uF 16V M		R410	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
CB371	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		R412	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
CB375	NDC31HJ-101X	C CAPACITOR	100pF 50V J		R413	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
CB376	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		R431	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CB379	NDC31HJ-101X	C CAPACITOR	100pF 50V J		R432	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CB380	NEX50GM-107X	E CAPACITOR	100uF 4V M		R433	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
CB401	NEH70JM-107X	E CAPACITOR	100uF 6.3V M		R434	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
CB402	NBE71CM-476X	TA E CAPACITOR	47uF 16V M		R437	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CB403	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R438	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
CB404	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R439	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
CB405	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R442	NRVA63D-221X	CMF RESISTOR	220Ω 1/16W D	
CB407	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R443	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
CB409	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R444	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CB410	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R461	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CB411	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R462	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CB412	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R463	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
CB414	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R464	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
CB424	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		R465	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
CB427	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R466	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
CB431	NDC31HJ-470X	C CAPACITOR	47pF 50V J		R467	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CB501	NBE71CM-476X	TA E CAPACITOR	47uF 16V M		R468	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CB502	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R469	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CB503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R471	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CB504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R472	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CB505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R473	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CB506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R474	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CB507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R475	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CB511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R476	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CB512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R479	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CB531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R480	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CB532	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R481	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CB551	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R482	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CB552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R491	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
CB571	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R492	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
R493	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R778	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R494	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R779	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R495	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R780	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R496	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R783	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R497	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R784	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R501	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R785	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R503	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R786	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R787	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R505	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R788	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R789	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R790	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R791	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R516	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R792	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R517	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R793	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R518	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R798	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R551	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J		R801	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R552	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J		R802	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R553	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R803	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R554	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		R804	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R555	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J		R805	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R556	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J		R806	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R557	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R807	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R558	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		R808	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R559	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J		R809	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R560	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J		R816	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R561	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R817	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R562	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		R818	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R651	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R819	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R652	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R849	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R655	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R850	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R656	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R851	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R657	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R852	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R658	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R853	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R660	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R854	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R661	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R859	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R663	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R664	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R666	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R862	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R667	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R863	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R670	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R864	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R671	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R865	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R672	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R866	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R673	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R867	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R674	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R868	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R675	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R869	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R676	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R870	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R677	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R873	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R678	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R874	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R679	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R875	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R680	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R876	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R701	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R877	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R702	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R878	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R703	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R879	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R704	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R880	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R705	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R883	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R706	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R884	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R707	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J		R885	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R886	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R887	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R716	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R888	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R889	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R718	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J		R890	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R719	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R893	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R720	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R901	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R748	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R903	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R750	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R904	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R751	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J		R905	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R752	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R906	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R753	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J		R907	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R754	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		R909	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	
R759	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R911	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R760	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R912	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R761	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R913	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R762	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R914	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R763	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		R915	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R764	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J		R916	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R765	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R918	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R766	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J		R927	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R767	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		R930	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R768	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J		R931	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R769	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J		R932	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R770	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J		R933	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R773	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		R934	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R774	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J		R935	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R775	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R936	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R776	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J		R937	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R777	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		R938	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	

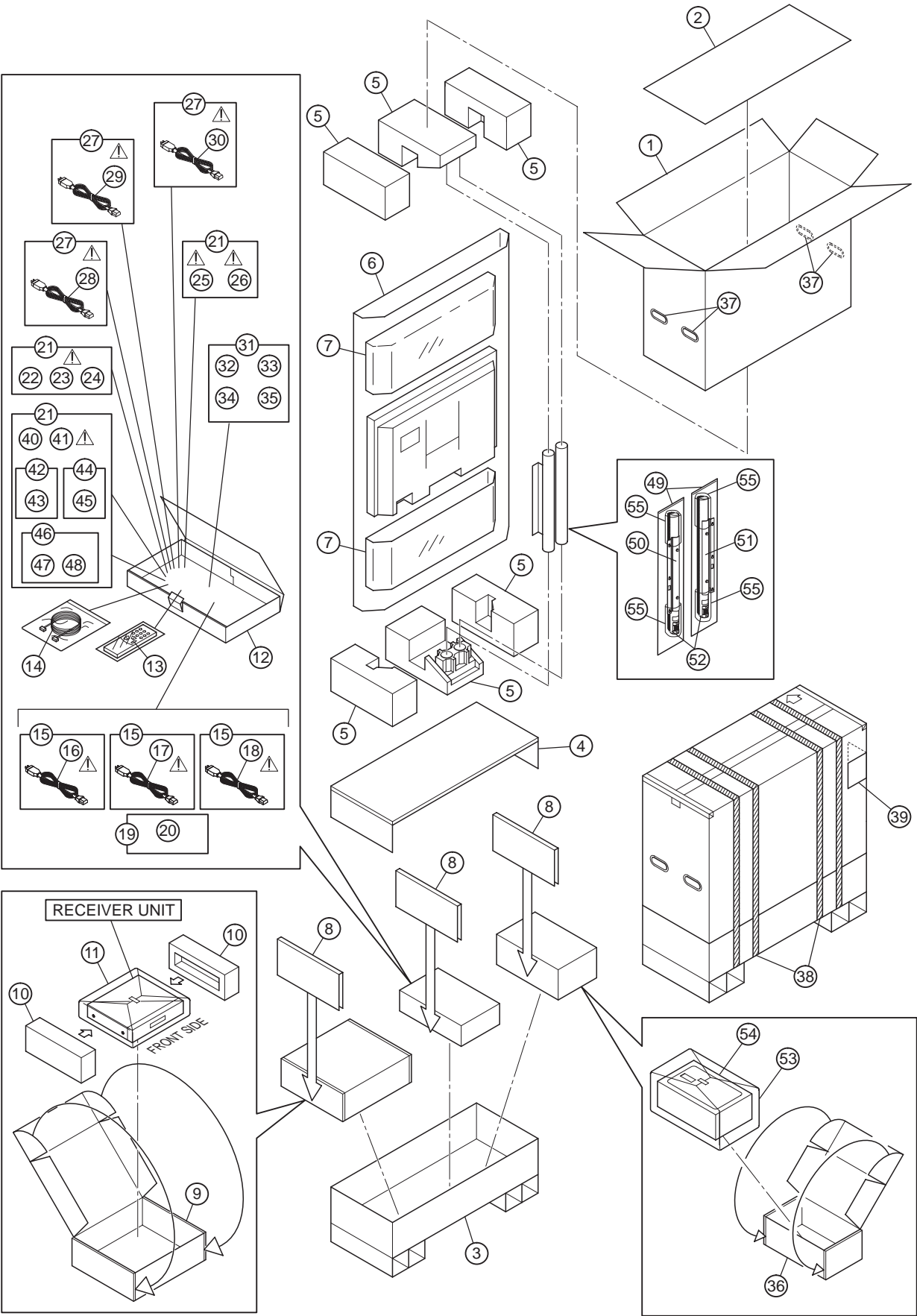
△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
RB244	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J		RB415	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB245	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB417	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB246	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB418	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB247	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J		RB420	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB248	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J		RB421	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB249	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J		RB422	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J		RB424	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB251	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J		RB425	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB252	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J		RB429	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB253	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB431	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J		RB442	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB255	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB443	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB444	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB257	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J		RB445	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB258	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB446	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB447	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB261	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB448	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB262	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB457	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB263	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB458	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB264	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB459	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB265	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB460	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB266	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB461	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB267	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB462	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB301	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RB473	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB302	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		RB474	NRVA02D-562X	CMF RESISTOR	5.6kΩ 1/10W D	
RB304	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		RB475	NRVA02D-103X	CMF RESISTOR	10kΩ 1/10W D	
RB305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RB482	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RB483	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		RB502	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB308	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RB511	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB512	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB310	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB513	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB311	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		RB514	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB312	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		RB515	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB318	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RB516	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB319	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		RB531	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB320	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB532	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB324	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		RB533	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB325	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB534	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB328	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB535	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB329	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		RB536	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB331	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RB551	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RB552	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB333	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		RB553	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB334	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		RB554	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB335	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		RB555	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB336	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		RB556	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB337	NRVA63D-471X	CMF RESISTOR	470Ω 1/16W D		RB571	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB338	NRVA63D-471X	CMF RESISTOR	470Ω 1/16W D		RB572	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB339	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RB573	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB340	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RB574	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB341	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RB575	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB342	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RB576	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB343	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		RB601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB344	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		RB602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB345	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB604	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
RB346	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB347	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RB606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB349	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		RB607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB350	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		RB608	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB351	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		RB609	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB352	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		RB610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB353	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		RB612	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB354	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		RB613	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
RB355	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		RB617	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
RB361	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		RB618	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB362	NRVA63D-103X	CMF RESISTOR	10kΩ 1/16W D		RB620	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB363	NRVA02D-103X	CMF RESISTOR	10kΩ 1/10W D		RB622	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
RB364	NRVA02D-222X	CMF RESISTOR	2.2kΩ 1/10W D		RB625	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB365	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
RB366	NRVA63D-473X	CMF RESISTOR	47kΩ 1/16W D		L001	NQR0413-003X	FERRITE BEADS		
RB367	NRVA02D-103X	CMF RESISTOR	10kΩ 1/10W D		L002	NQR0413-003X	FERRITE BEADS		
RB368	NRVA02D-682X	CMF RESISTOR	6.8kΩ 1/10W D		L003	NQR0413-003X	FERRITE BEADS		
RB375	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L004	NQR0413-003X	FERRITE BEADS		
RB376	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L005	NQR0413-003X	FERRITE BEADS		
RB377	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		L101	NQL092K-6R8X	P COIL	6.8uH K	
RB401	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L302	NQL092K-3R3X	P COIL	3.3uH K	
RB402	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L401	NQL092K-6R8X	P COIL	6.8uH K	
RB403	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L431	NQL092K-100X	P COIL	10uH K	
RB404	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L461	NQR0413-003X	FERRITE BEADS		
RB405	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L462	NQR0413-003X	FERRITE BEADS		
RB406	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L501	NQL092K-2R2X	P COIL	2.2uH K	
RB407	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L502	NQL092K-2R2X	P COIL	2.2uH K	
RB408	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		L503	NQL092K-2R2X	P COIL	2.2uH K	
RB410	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L691	NQR0413-003X	FERRITE BEADS		
RB411	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		L707	NQR0413-003X	FERRITE BEADS		
RB413	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		L708	NQR0413-003X	FERRITE BEADS		

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
L709	NQR0413-003X	FERRITE BEADS			LC005	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L751	NQL092K-6R8X	P COIL	6.8uH K		LC006	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L752	NQL092K-6R8X	P COIL	6.8uH K		LC008	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L753	NQL092K-6R8X	P COIL	6.8uH K		LC009	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L754	NQL092M-270X	P COIL	27uH M		LC010	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L761	NQL034K-220X	P COIL	22uH K		LC011	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L762	NQL034K-101X	P COIL	100uH K		LC012	NQR0416-001X	EMI FILTER	240pF 16V M	
L763	NQL034K-220X	P COIL	22uH K		LC013	NQR0416-001X	EMI FILTER	240pF 16V M	
L764	NQL034K-101X	P COIL	100uH K		LC017	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L765	NQL034K-101X	P COIL	100uH K		LC018	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L766	NQL034K-220X	P COIL	22uH K		LC019	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L767	NQL034K-220X	P COIL	22uH K		LC020	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L768	NQR0413-003X	FERRITE BEADS			LC021	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L807	NQR0413-003X	FERRITE BEADS			LC025	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L808	NQR0413-003X	FERRITE BEADS			LC029	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L809	NQR0413-003X	FERRITE BEADS			LC030	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L851	NQL092K-6R8X	P COIL	6.8uH K		LC031	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L852	NQL092K-6R8X	P COIL	6.8uH K		LC032	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L853	NQL092K-6R8X	P COIL	6.8uH K		LC051	NQR0450-008X	EMI FILTER	2200pF 50V M	
L854	NQL092M-270X	P COIL	27uH M		LC052	NQR0450-008X	EMI FILTER	2200pF 50V M	
L861	NQL034K-220X	P COIL	22uH K		LC053	NQR0450-008X	EMI FILTER	2200pF 50V M	
L862	NQL034K-101X	P COIL	100uH K		LC401	NQR0450-004X	EMI FILTER	100pF 50V M	
L863	NQL034K-101X	P COIL	100uH K		LC601	NQR0415-005X	EMI FILTER	0.1uF 25V M	
L864	NQL034K-101X	P COIL	100uH K		X101	NAX0539-001X	CXO	10.000MHz	
L865	NQL034K-220X	P COIL	22uH K		X301	NAX0118-001X	CRYSTAL	20.000MHz	
L866	NQL034K-220X	P COIL	22uH K		X601	NAX0526-001X	CXO	74.1758MHz	
L867	NQL034K-220X	P COIL	22uH K		X701	QAX0305-001	CRYSTAL	16.200MHz	
L868	NQR0413-003X	FERRITE BEADS			X801	QAX0305-001	CRYSTAL	16.200MHz	
LB001	NQL092M-180X	P COIL	18uH M						
LB002	NQL085J-101X	COIL	100uH J						
LB003	NQL085J-101X	COIL	100uH J						
LB005	NQR0413-003X	FERRITE BEADS							
LB007	NQL092K-2R2X	P COIL	2.2uH K						
LB008	NQL092K-2R2X	P COIL	2.2uH K						
LB009	NQL092K-2R2X	P COIL	2.2uH K						
LB101	NQR0413-003X	FERRITE BEADS							
LB102	NQR0413-003X	FERRITE BEADS							
LB104	NQR0413-003X	FERRITE BEADS							
LB106	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
LB107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
LB109	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
LB201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
LB202	NQR0413-003X	FERRITE BEADS							
LB204	NQR0413-003X	FERRITE BEADS							
LB207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
LB601	NQR0413-003X	FERRITE BEADS							
LB602	NQR0413-003X	FERRITE BEADS							
CN00K	QGA2001F2-06V	CONNECTOR	W-B (1-6)						
CN00L	QGA2001F2-14V	CONNECTOR	W-B (1-14)						
CN0J1	QGA2001F2-09V	CONNECTOR	W-B (1-9)						
CN0L1	QGA2001F2-06V	CONNECTOR	W-B (1-6)						
K501	NQR0413-003X	FERRITE BEADS							
K502	NQR0413-003X	FERRITE BEADS							
K503	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
K901	NQR0413-003X	FERRITE BEADS							
K902	NQR0413-003X	FERRITE BEADS							
K903	NQR0413-003X	FERRITE BEADS							
K905	NQR0413-003X	FERRITE BEADS							
KB002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
KB003	NQR0413-002X	FERRITE BEADS							
KB004	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
KB008	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
KB012	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
KB013	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
KB014	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
KB015	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
KB020	NQR0413-002X	FERRITE BEADS							
KB021	NQR0413-002X	FERRITE BEADS							
KB022	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
KB201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J						
KB202	NQR0413-003X	FERRITE BEADS							

PACKING PARTS LIST

△ Ref.No.	Part No.	Part Name	Description	Local
1	AEM1082-001A-U	PACKING CASE (TOP)		
2	AEM3343-001A-U	TOP LAYER		
3	AEM1083-001A-U	PACKING CASE (BASE)		
4	AEM3339-001B-U	LAYER PAD		
5	LC11534-001A	CUSHION ASSY	6pcs in 1set	
6	AEM1067-001A-E	FOAM BAG		
7	LC41035-001A	POLY BAG	(x2)	
8	AEM3341-001A-U	SEPARATOR	(x3)	
9	AEM3338-001A-U	RECEIVER BOX		
10	AEM3342-001A-U	RECEIVER CUSHION		
11	PQM30021-105	POLY BAG		
12	AEM4123-002A-U	ACCESSORY BOX		
13	RM-C61-1C	REMOCON	included POLY BAG	
14	QAM0449-001	PDP I/F CABLE	SYSTEM CABLE 3m included POLY BAG	
△ 15	QPA01203005	POLY BAG	(x3)	
△ 16	QMPL050-250-K	POWER CORD(EU)	2.5m BLACK	
△ 17	QMPP070-250-K	POWER CORD(EK)	2.5m BLACK	
18	QMPL238-250-K	POWER CORD	2.5m BLACK	
19	QPA01203505	POLY BAG	12cm x 35cm	
20	QQR1193-002	CORE FILTER	For POWER CORD (x2)	
21	QPA02503505P	POLY BAG	25cm x 35cm	
22	LCT1361-001B-U	CAUTION BOOK		
△ 23	LCT1305-001A-U	INST BOOK	English/German /French/Spanish/Italian/Dutch	
24	BT-54013-5E	WARRANTY CARD		
△ 25	LCT1306-001A-U	INST BOOK	Danish/Finn/Swedish/Norwegian	
△ 26	LCT1307-001A-U	INST BOOK	Russian/Hungarian/Czech/Polish/Romanian	
27	QPA01203005	POLY BAG	12cm x 30cm (x3)	
△ 28	QMPL238-250-K	POWER CORD	2.5m BLACK	
△ 29	QMPP070-250-K	POWER CORD (EK)	2.5m BLACK	
△ 30	QMPL050-250-K	POWER CORD (EU)	2.5m BLACK	
31	QPA01203005	POLY BAG	12cm x 30cm	
32	LC41320-001A	NYRON CLUMP	HOCK (x2)	
33	-----	DRY BATTERY	(R6P AA) (x2)	
34	QYSPSPD5016M	SCREW	For MOUNTING HOCK 5mm x 16mm (x2)	
35	QQR1193-002	CORE FILTER	For POWER CORD (x2)	
36	AEM3337-001A-U	WOOFER BOX		
37	AEM3292-001A-E	BOX HANDLE	(x4)	
38	AEM4119-002A-U	BANDING	(x2)	
39	AEM1066-020-E	EURO LABEL		
40	LCT1399-001A-U	INST SHEET		
41	QQR0491-001	CORE FILTER	For SPEAKER CORD (x3)	
42	V-85-000-357-21	POLY BAG	For CORD CLAMP(Blue)	
43	V-000-187-01	CORD CLAMP	For SPEAKER CORD (x3)	
44	V-85-000-357-51	POLY BAG	For FOOT	
45	V-90-000-053-81	FOOT	(x4)	
46	V-85-000-327-61	POLY BAG	For SPEAKER CORD	
47	V-62-000-438-01	SPEAKER CORD	For FRONT SPEAKER 1.2M (x2)	
48	V-62-000-424-11	SPEAKER CORD	For SUB WOOFER 3M	
49	V-85-000-481-31	POLY BAG	For FRONT SPEAKER (x2)	
50	V-64-000-249-11	DD SPEAKER BRACKET	LEFT	
51	V-64-000-249-01	DD SPEAKER BRACKET	RIGHT	
52	TS-42D30DD	DD SPEAKER	FRONT SPEAKER (x2)	
53	V-85-000-416-81	POLY BAG	For SUB WOOFER	
54	TS-D30W	SUB WOOFER	TS-42D30ES	
55	V-85-000-420-21	MIRROR MAT	(x4)	

PACKING




PD-42D30ES

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the  symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal	: Colour bar signal
(2)Setting positions of each knob/button and variable resistor	: Original setting position when shipped
(3)Internal resistance of tester	:DC 20kΩ /V
(4)Oscilloscope sweeping time	:H ⇒ 20μS/div :V ⇒ 5mS/div :Others ⇒ Sweeping time is specified
(5)Voltage values	:All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board :R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

No unit	:{ Ω }
K	:{K Ω }
M	:{M Ω }

● Rated allowable power

No indication	:1/ 16 [W]
Others	:As specified

● Type

No indication	:Carbon resistor
OMR	:Oxide metal film resistor
MFR	:Metal film resistor
MPR	:Metal plate resistor
UNFR	:Uninflammable resistor
FR	:Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

1 or higher	:{pF}
less than 1	:{μF}

● Withstand voltage

No indication	:DC50[V]
Others	:DC withstand voltage [V]
AC indicated	:AC withstand voltage [V]

* Electrolytic Capacitors

47/50[Example]:Capacitance value [μF]/withstand voltage[V]





● Type

No indication	:Ceramic capacitor
MM	:Metalized mylar capacitor
PP	:Polypropylene capacitor
MPP	:Metalized polypropylene capacitor
MF	:Metalized film capacitor
TF	:Thin film capacitor
BP	:Bipolar electrolytic capacitor
TAN	:Tantalum capacitor

(3)Coils

No unit	:{ μH}
Others	:As specified

(4)Power Supply



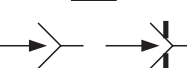
	:B1		:B2 (12V)
	:9V		:5V

* Respective voltage values are indicated





(5)Test point

	:Test point		:Only test point display
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(6)Connecting method

	:Connector		:Wrapping or soldering
	:Receptacle		

(7)Ground symbol

	:LIVE side ground
	:ISOLATED(NEUTRAL) side ground
	:EARTH ground
	:DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : () side GND and the ISOLATED(NEUTRAL) : () side GND.Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected , a fuse or any parts will be broken.

◇ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

NOTE

◇ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list. When ordering parts, please use the numbers that appear in the Parts List.

CONTENTS

USING P.W. BOARD	2-3
SEMICONDUCTOR SHAPES	2-3
BLOCK DIAGRAM - 1	2-4
BLOCK DIAGRAM - 2	2-5

CIRCUIT DIAGRAMS [RECEIVER UNIT]

MAIN PWB CIRCUIT DIAGRAM	2-7
AV SW PWB CIRCUIT DIAGRAM	2-15
AV JACK PWB CIRCUIT DIAGRAM	2-17
SUB TUNER PWB CIRCUIT DIAGRAM	2-19
DIST RELAY PWB CIRCUIT DIAGRAM	2-21
DIST PWB CIRCUIT DIAGRAM	2-23
RECEIVER POWER CIRCUIT DIAGRAM	2-41
MI-COM INTERFACE PWB CIRCUIT DIAGRAM	2-43
MI-COM PWB CIRCUIT DIAGRAM	2-45
FRONT CONTROL PWB CIRCUIT DIAGRAM	2-47

CIRCUIT DIAGRAMS [DISPLAY UNIT]

DISPLAY INTERFACE PWB CIRCUIT DIAGRAM	2-49
AUDIO PWB CIRCUIT DIAGRAM	2-57
SPEAKER TERMINAL PWB CIRCUIT DIAGRAM	2-59
DISPLAY LED PWB CIRCUIT DIAGRAM	2-61
DISPLAY SWITCH PWB CIRCUIT DIAGRAM	2-63
LINE FILTER PWB CIRCUIT DIAGRAM	2-65
SYSTEM POWER PWB CIRCUIT DIAGRAM	2-67
PDP POWER PWB CIRCUIT DIAGRAM	2-69

PATTERN DIAGRAMS [RECEIVER UNIT]

RECEIVER POWER PWB PATTERN	2-73
MAIN PWB PATTERN	2-75
SUB TUNER PWB PATTERN	2-79
FRONT CONTROL PWB PATTERN	2-81
MI-COM INTERFACE PWB PATTERN	2-81
MI-COM PWB PATTERN	2-83
DIST RELAY PWB PATTERN	2-84
AV SW PWB PATTERN	2-85
DIST PWB PATTERN	2-87
AV JACK PWB PATTERN	2-91

PATTERN DIAGRAMS [DISPLAY UNIT]

DISPLAY INTERFACE PWB PATTERN	2-93
PDP POWER PWB PATTERN	2-95
SYSTEM POWER PWB PATTERN	2-99
SPEAKER TERMINAL PWB PATTERN	2-99
AUDIO PWB PATTERN	2-103
LINE FILTER PWB PATTERN	2-105
DISPLAY SWITCH PWB PATTERN	2-106
DISPLAY LED PWB PATTERN	2-106

VOLTAGE CHART [RECEIVER UNIT]	2-107
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VOLTAGE CHART [DISPLAY UNIT]	2-111
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WAVEFORMS	2-113
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USING P.W. BOARD

RECEIVER UNIT [TU-42D30ES]







MAIN P.W. BOARD	SMK-1301A-U2
AV SW P.W. BOARD	SMK-0S301A-U2
AV JACK P.W. BOARD	SMK0J301A-U2
SUB TUNER P.W. BOARD	SMK0F301A-U2
DIST RELAY P.W. BOARD	SMK0Z311A-U2
DIST P.W. BOARD	SMK0Z301A-U2
RECEIVER POWER P.W. BOARD	SMK-9301A-U2
MI-COM INTERFACE P.W. BOARD	SMK0M311A-U2
MI-COM P.W. BOARD	SMK0M301A-U2
FRONT CONTROL P.W. BOARD	SMK-8301A-U2

DISPLAY UNIT [VM-42D30ES]






DISPLAY INTERFACE P.W. BOARD	SSB-7366A-U2
AUDIO PWB P.W. BOARD	SMK-6065A-U2
SPEAKER TERMINAL P.W. BOARD	SMK-6165A-U2
DISPLAY LED P.W. BOARD	SMK0L265A-U2
DISPLAY SWITCH P.W. BOARD	SSB0L365A-U2
LINE FILTER P.W. BOARD	SMK-9265A-U2
SYSTEM POWER P.W. BOARD	SMK-9165A-U2
PDP POWER P.W. BOARD	SMK-9066A-U2

SEMICONDUCTOR SHAPES

TRANSISTOR

BOTTOM VIEW		FRONT VIEW			TOP VIEW
					<p>CHIP TR</p> 

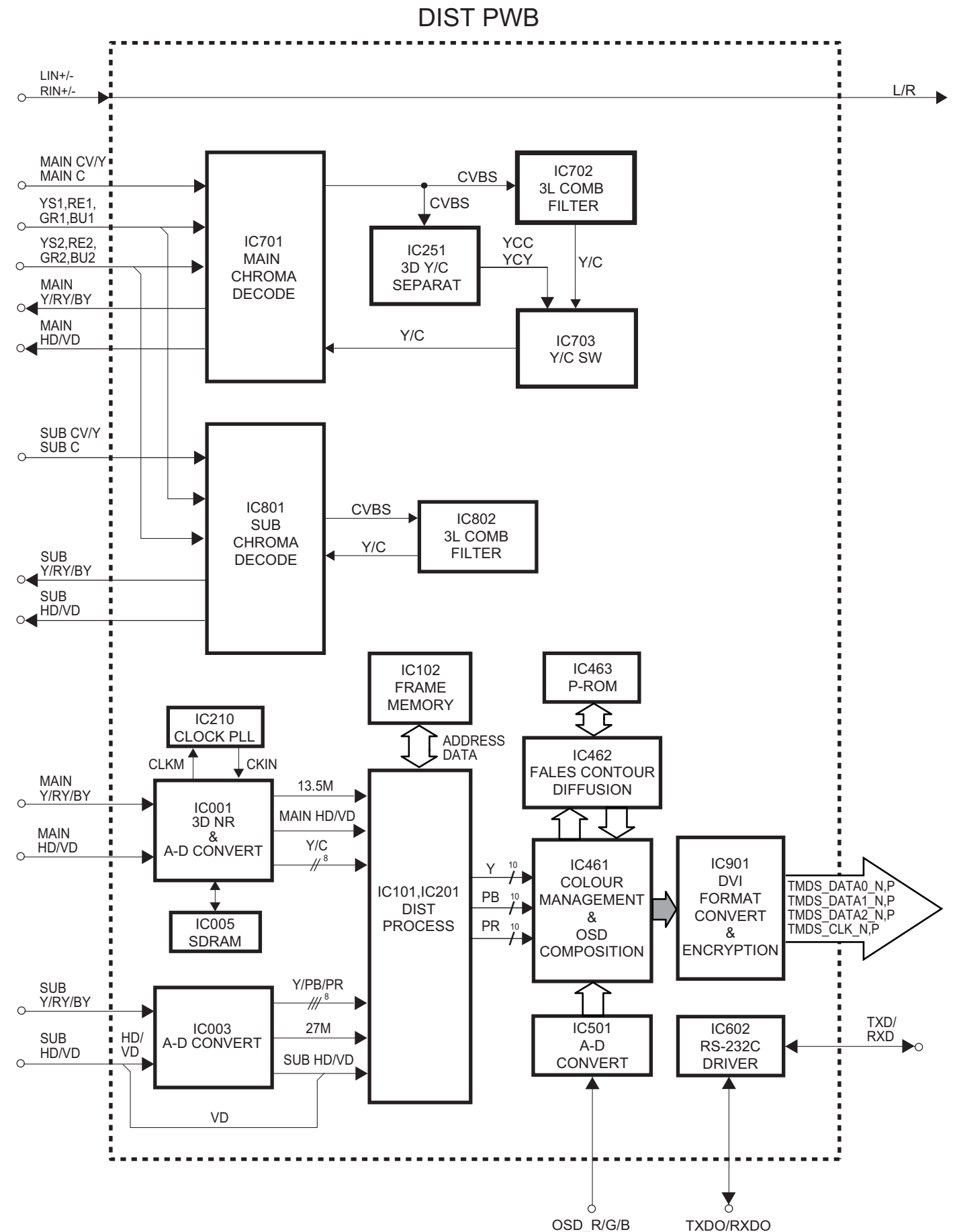
IC

BOTTOM VIEW		FRONT VIEW		TOP VIEW
				

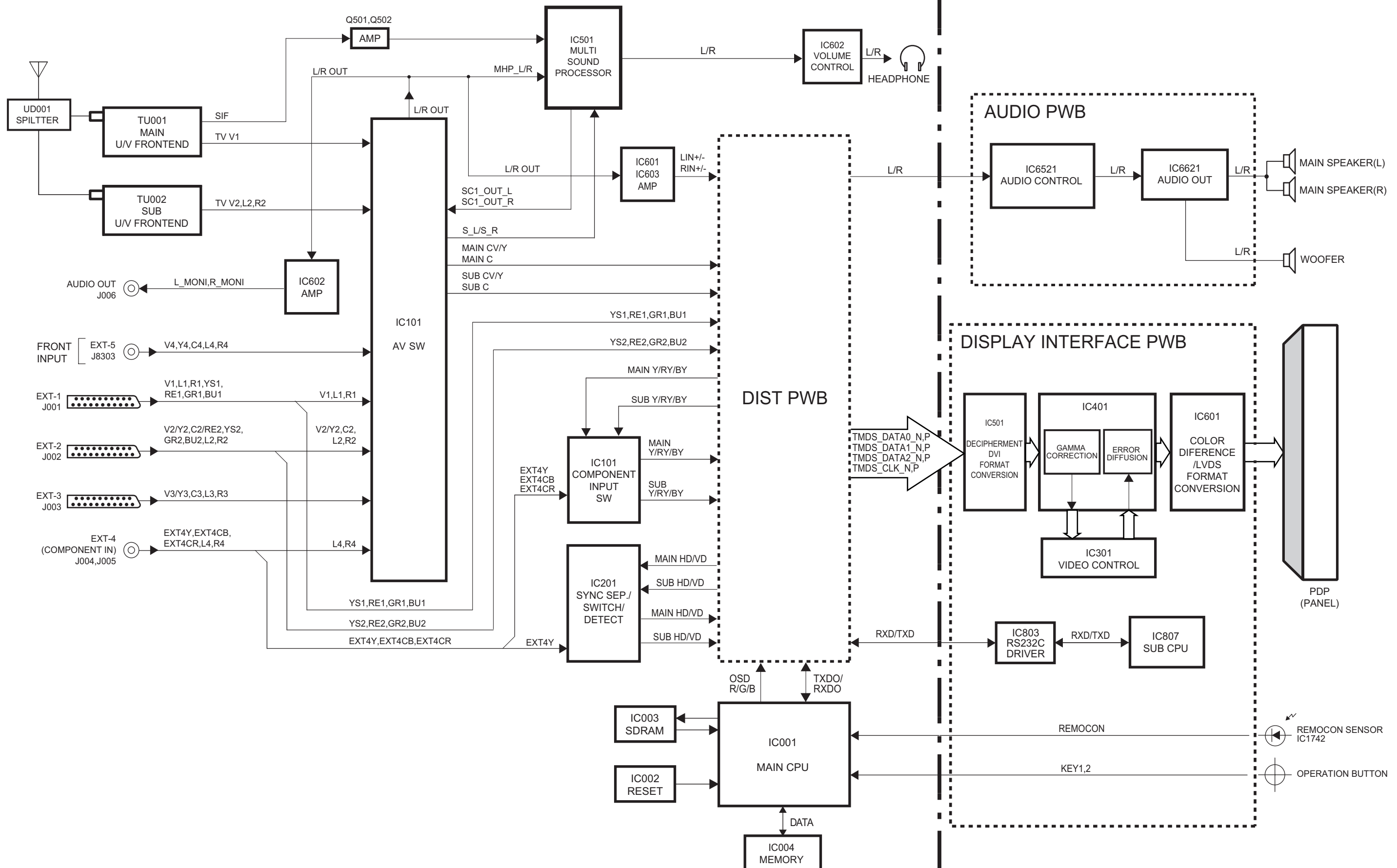
CHIP IC

TOP VIEW		

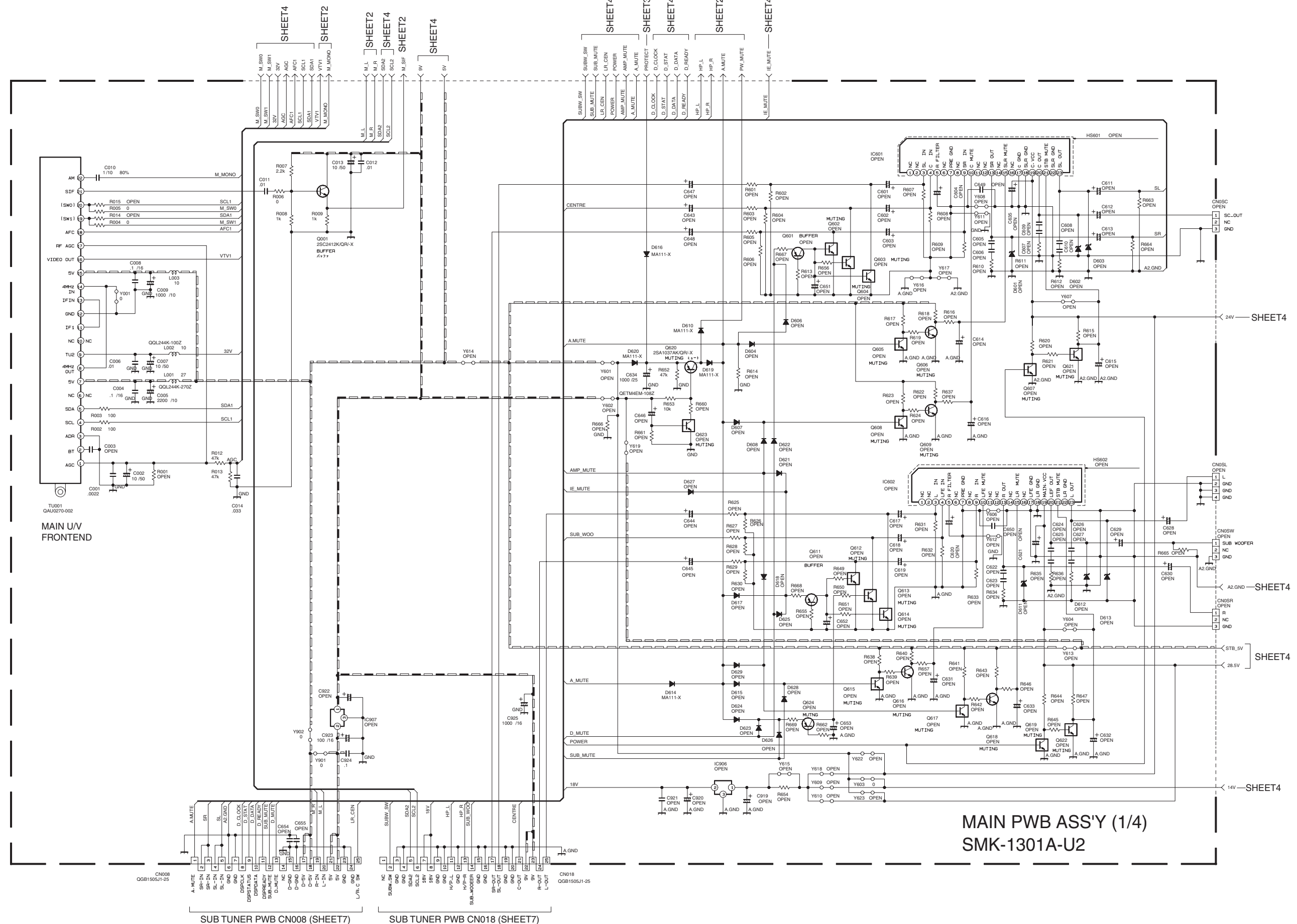
BLOCK DIAGRAM - 1



BLOCK DIAGRAM - 2



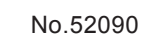
MAIN PWB CIRCUIT DIAGRAM (1/4) SHEET 1



MAIN PWB ASS'Y (2/4)
SMK-1301A-U2



MAIN PWB ASS'Y (3/4)
SMK-1301A-U2



AV SW PWB CIRCUIT DIAGRAM SHEET 5

AV JACK PWB
CNJ00G
(SHEET6)

AV JACK PWB
CNJ020
(SHEET6)

FRONT CONTROL
PWB
CN800F
(SHEET21)

AV SW PWB ASS'Y
SMK0S301A-U2

DIST PWB
CN00K
(SHEET17)

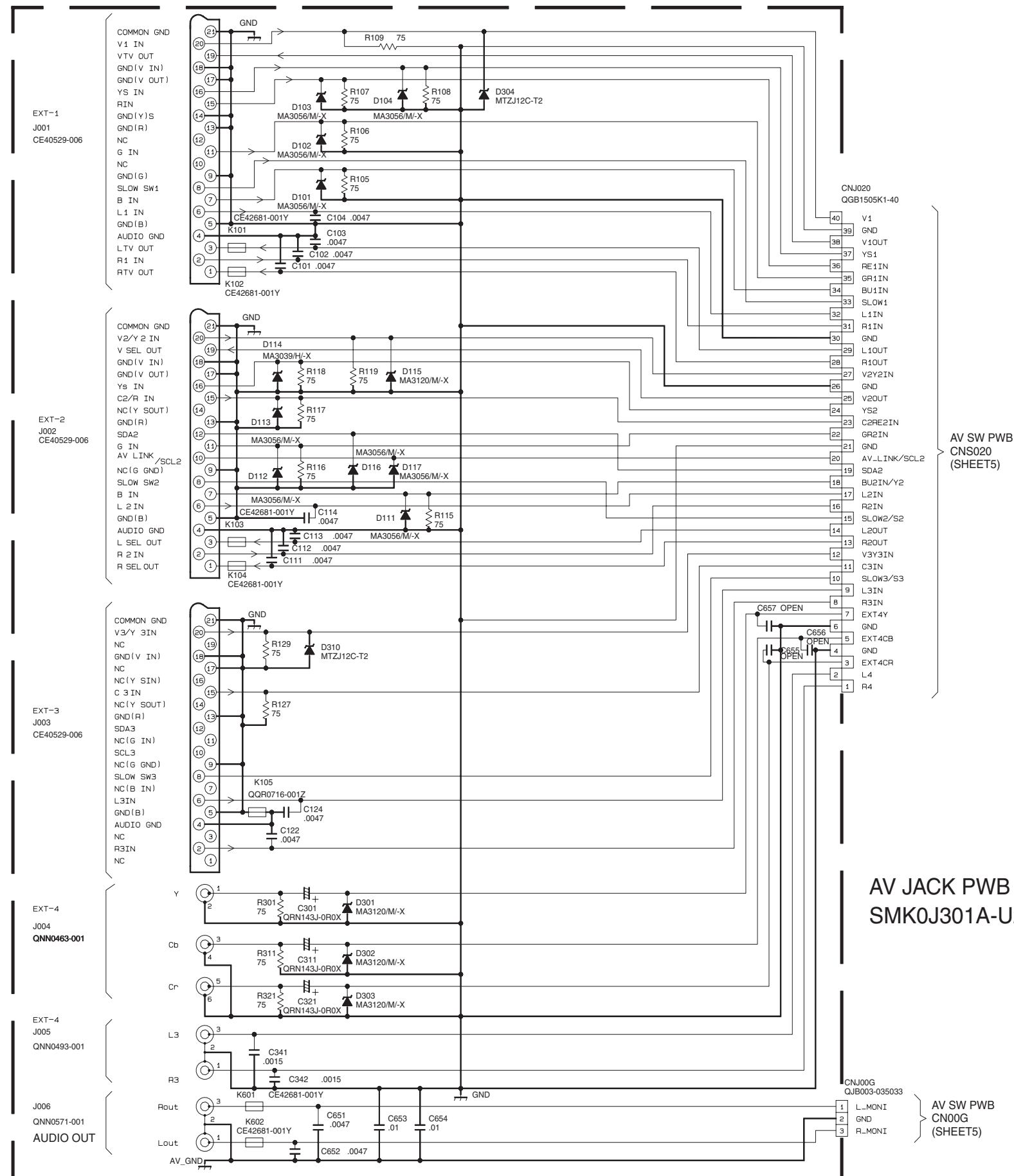
SUB TUNER PWB
CNF00A
(SHEET7)

MAIN PWB CN007 (SHEET2)

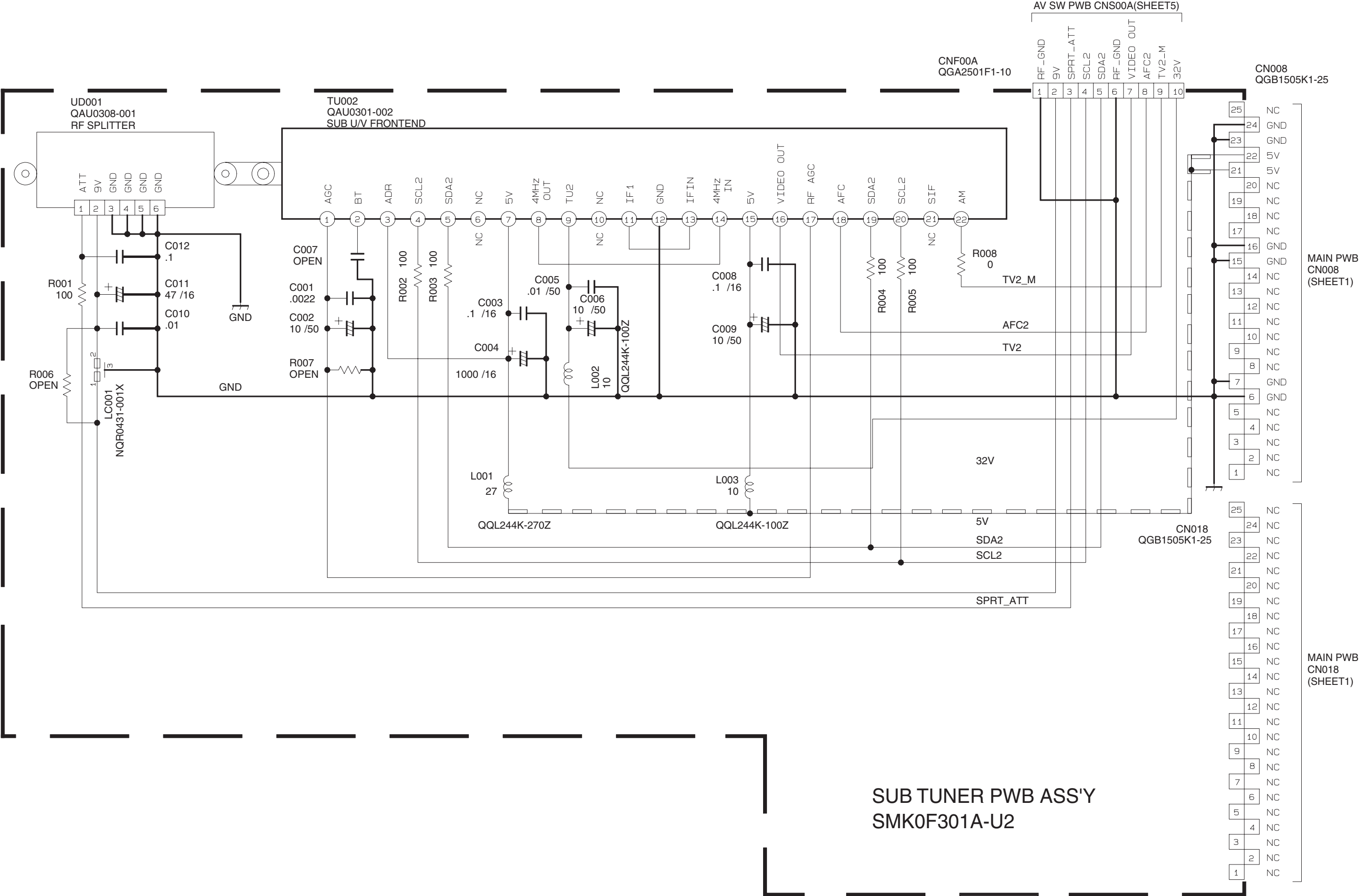
MAIN PWB CN006 (SHEET2)

NOTE
*1: 25C2412K/GR/-X
*2: 2SA1037AK/GR/-X
*3: DTC323TK-X
O: NRS63J-ORX

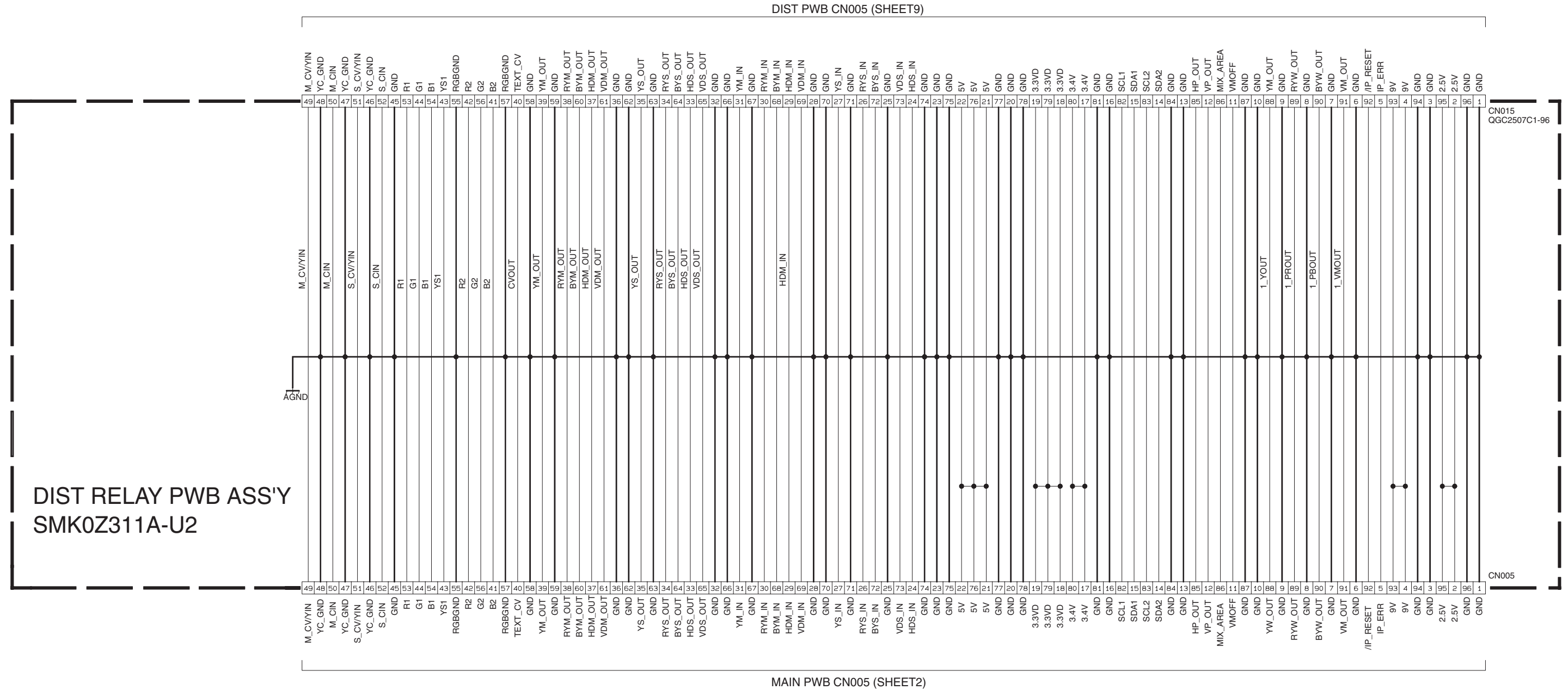
AV JACK PWB CIRCUIT DIAGRAM SHEET 6



SUB TUNER PWB CIRCUIT DIAGRAM SHEET 7

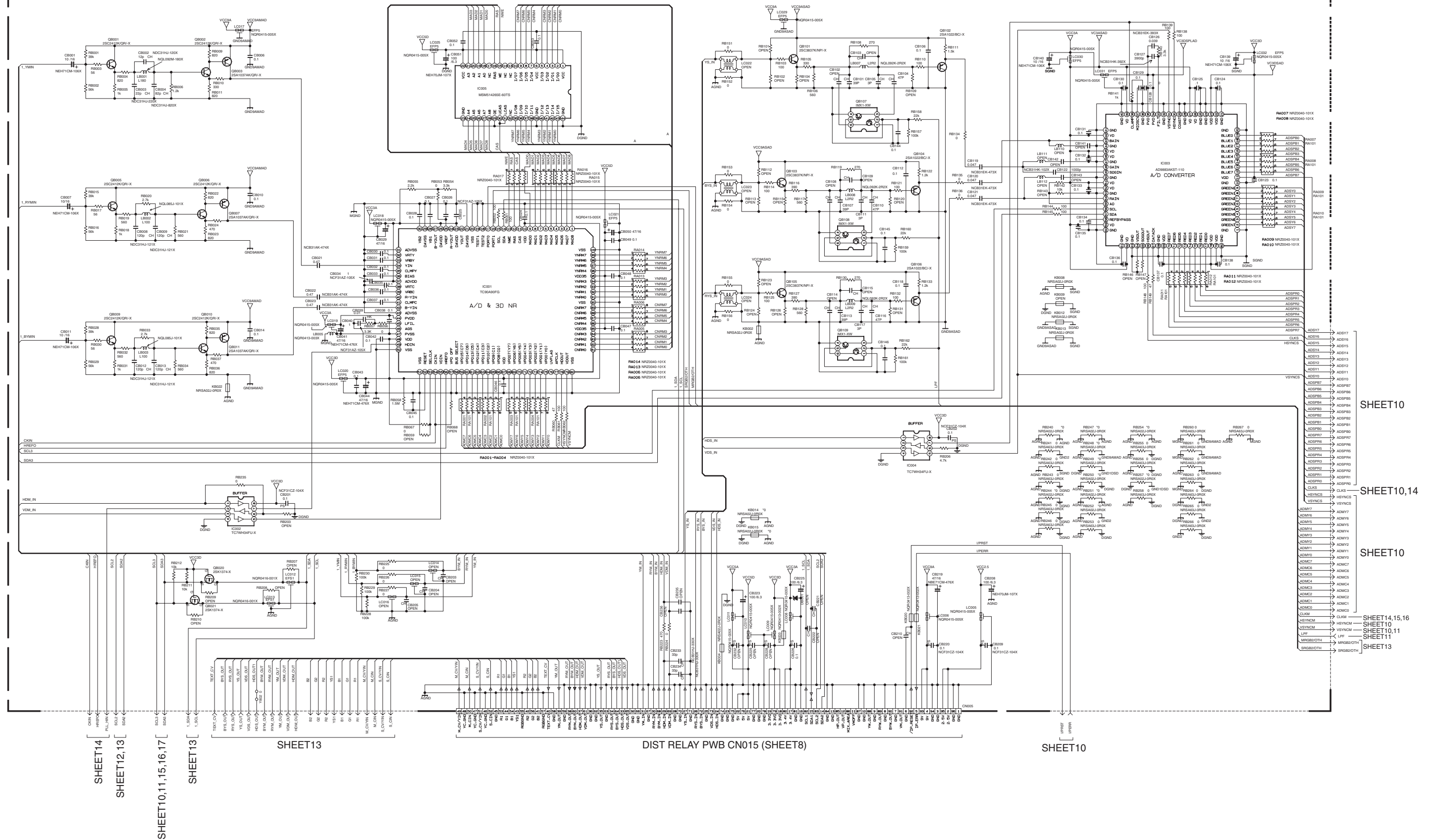


DIST RELAY PWB ASS'Y
SMK0Z311A-U2



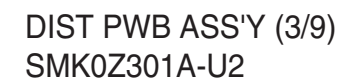
DIST PWB CIRCUIT DIAGRAM (1/9) SHEET 9

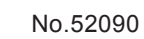
DIST PWB ASS'Y (1/9)
SMK0Z301A-U2



DIST PWB ASS'Y (2/9)
SMK0Z301A-U2







SHEET9



SHEET12

SHEET9

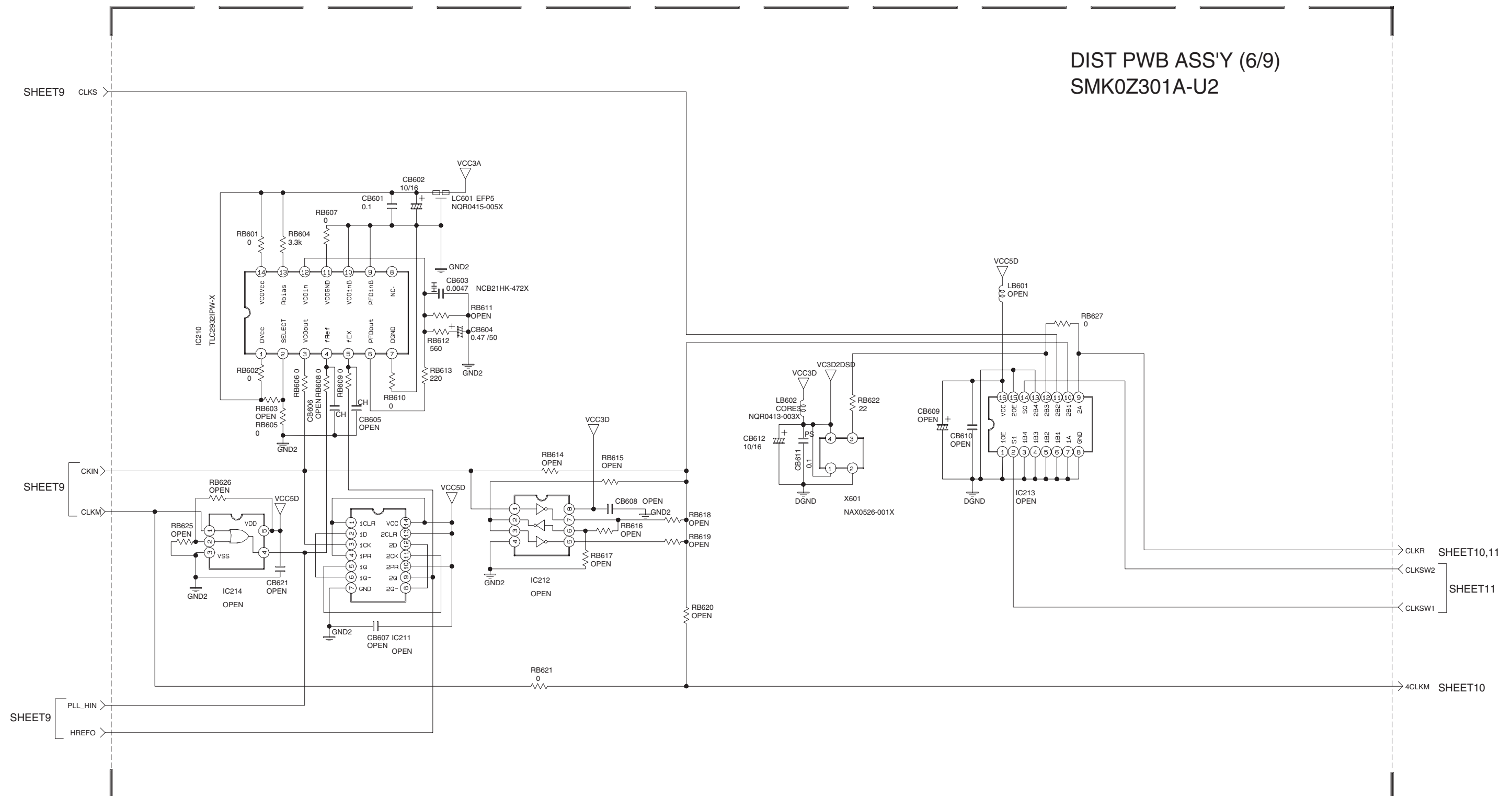
SHEET 9

DIST PWB ASS'Y (5/9)
SMK0Z301A-U2

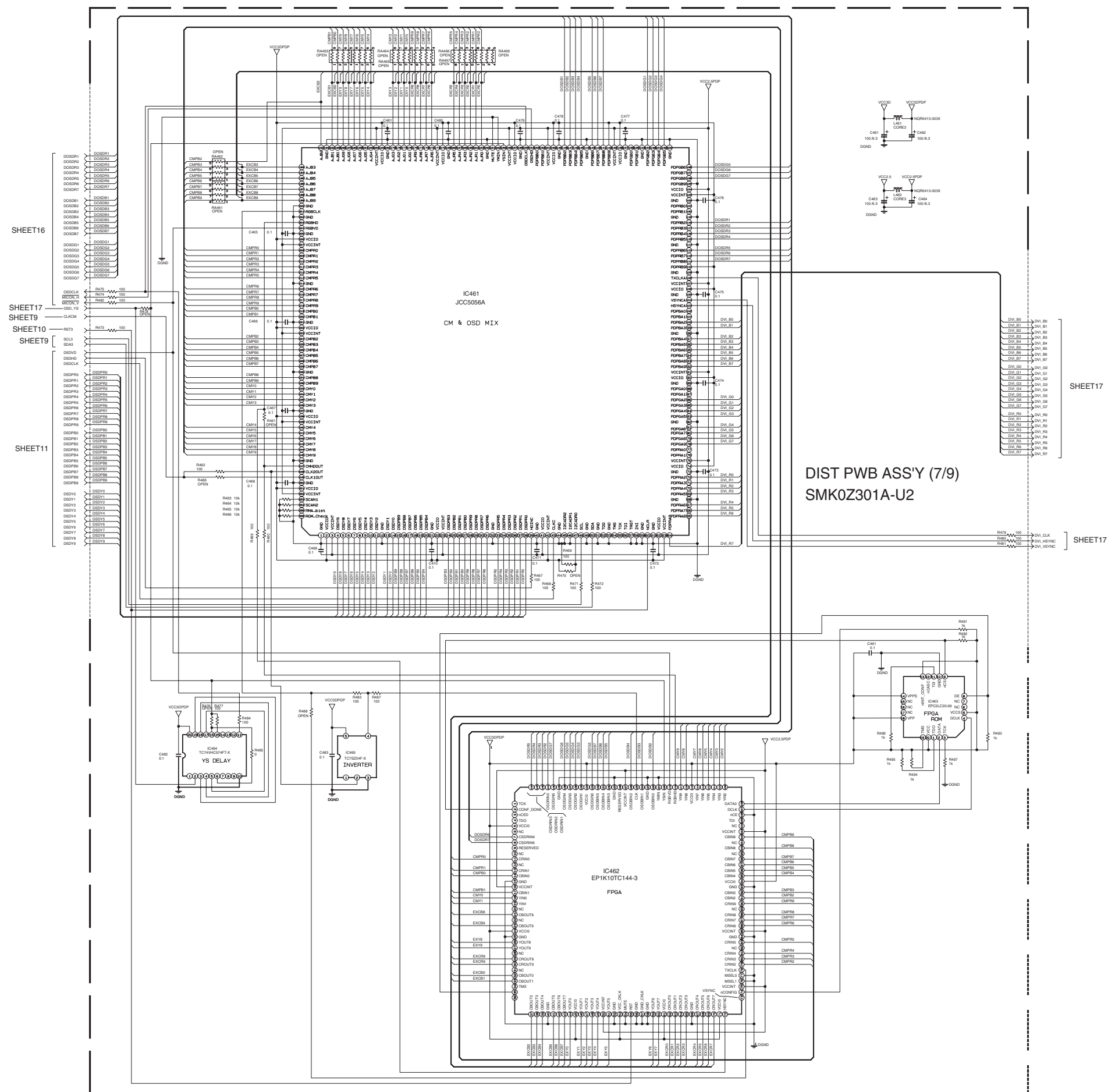
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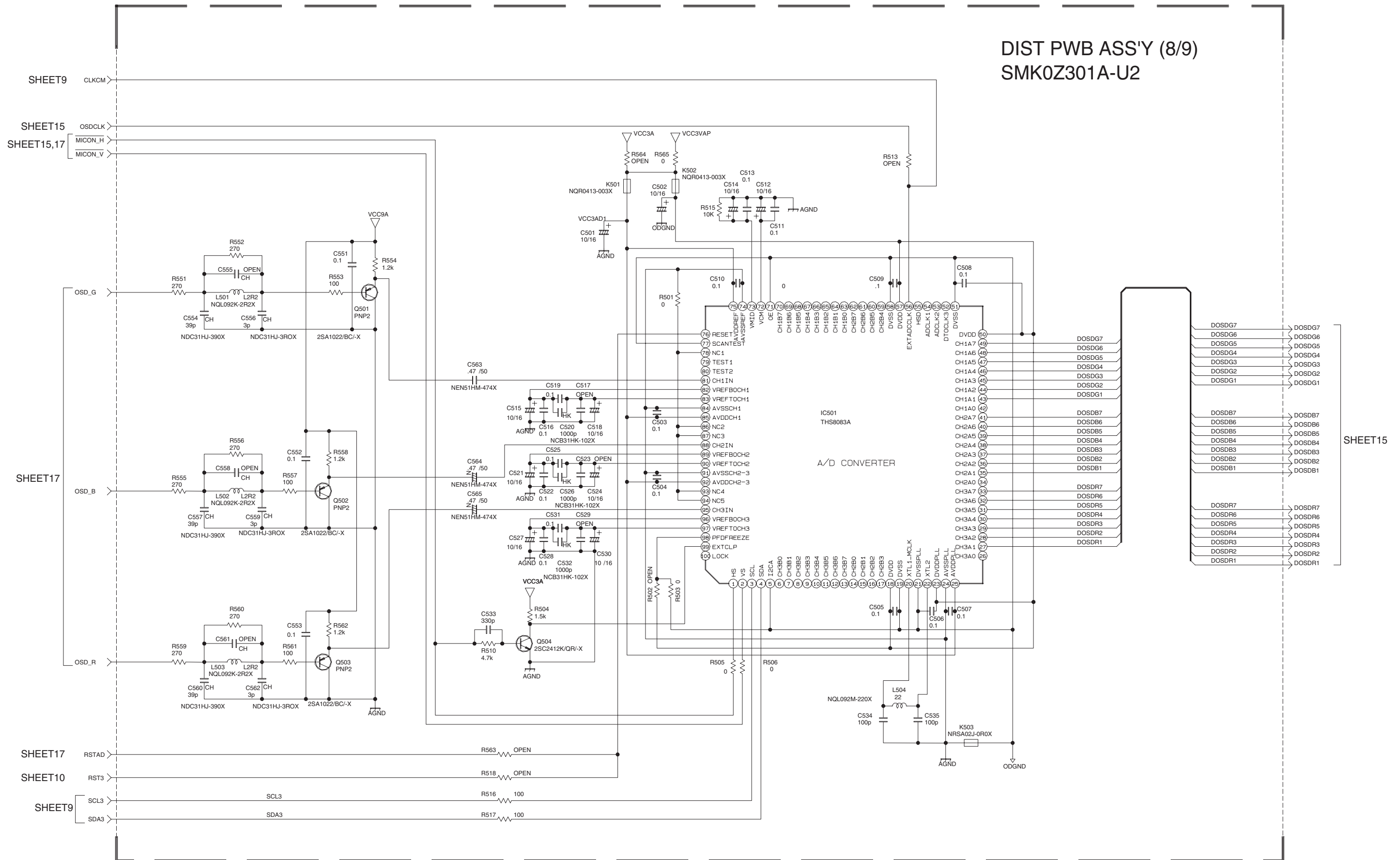
DIST PWB CIRCUIT DIAGRAM (6/9) SHEET 14

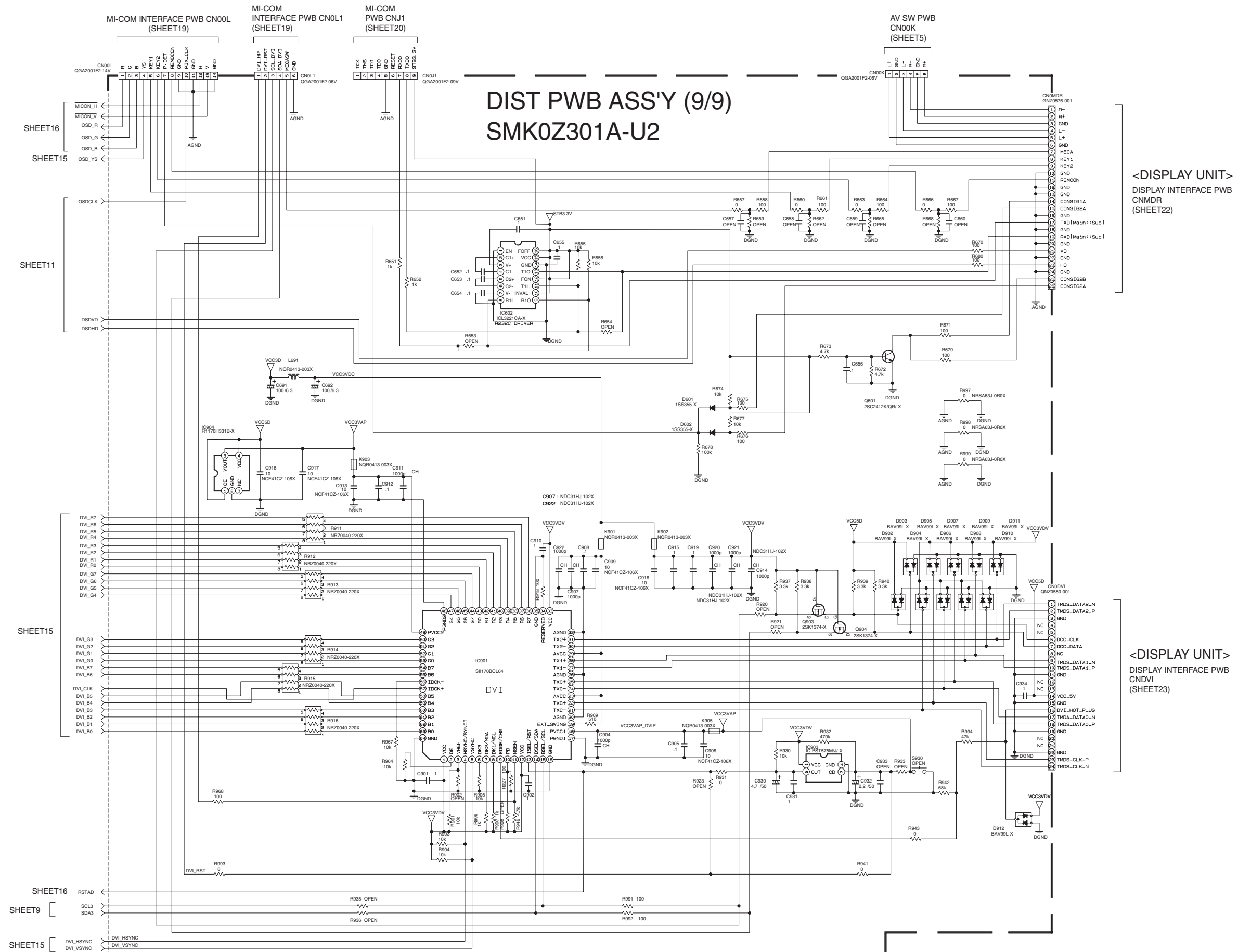


DIST PWB CIRCUIT DIAGRAM (7/9) SHEET 15

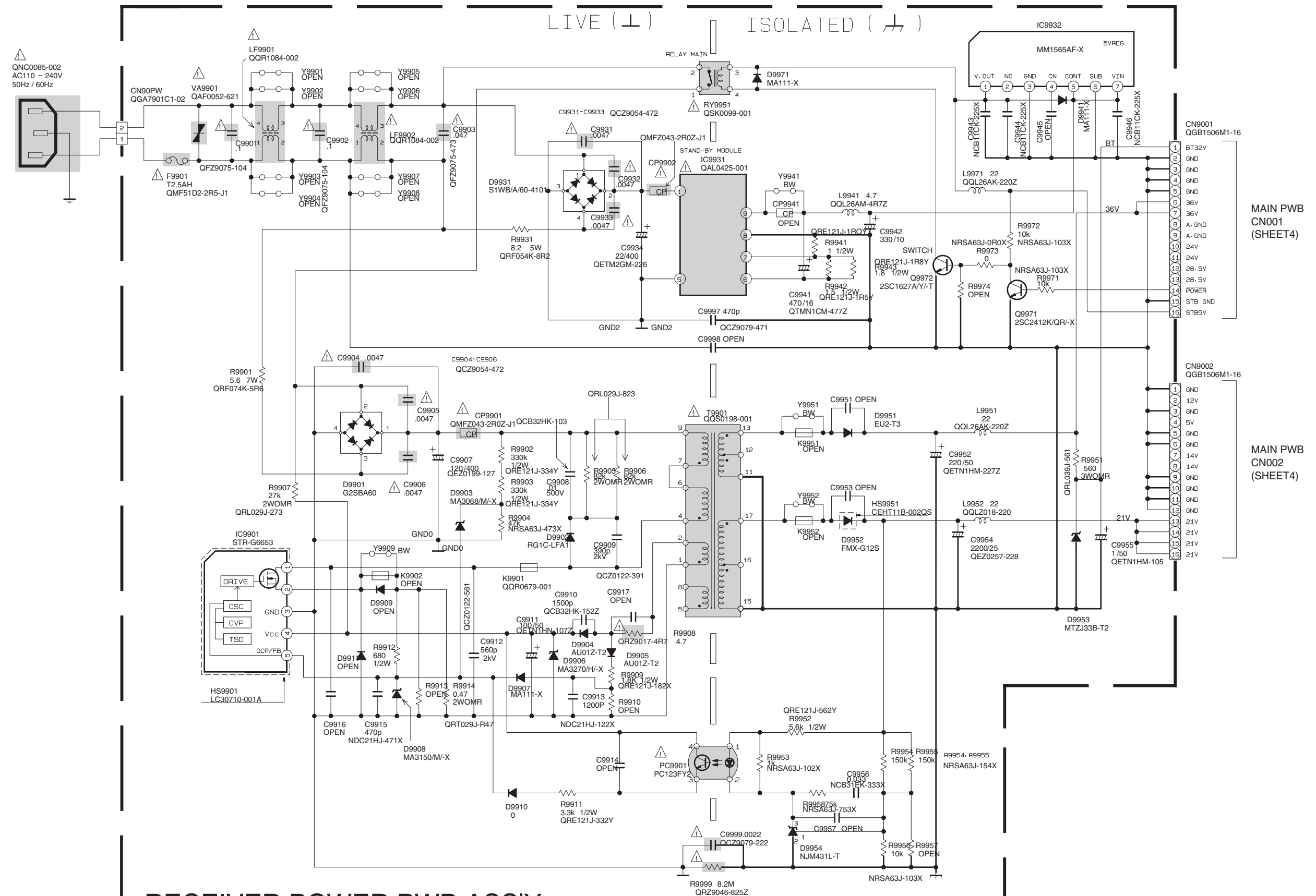


DIST PWB CIRCUIT DIAGRAM (8/9) SHEET 16

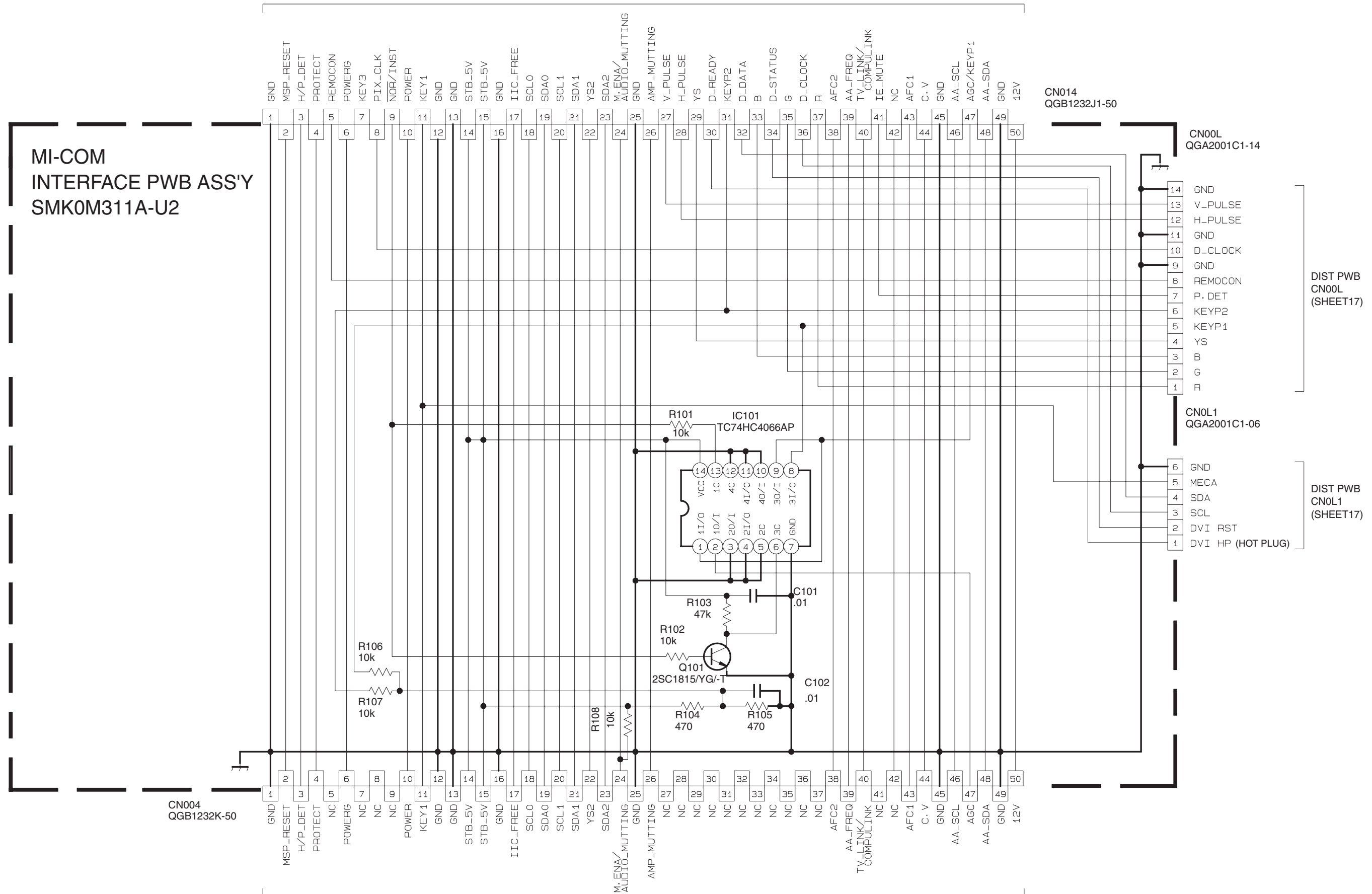




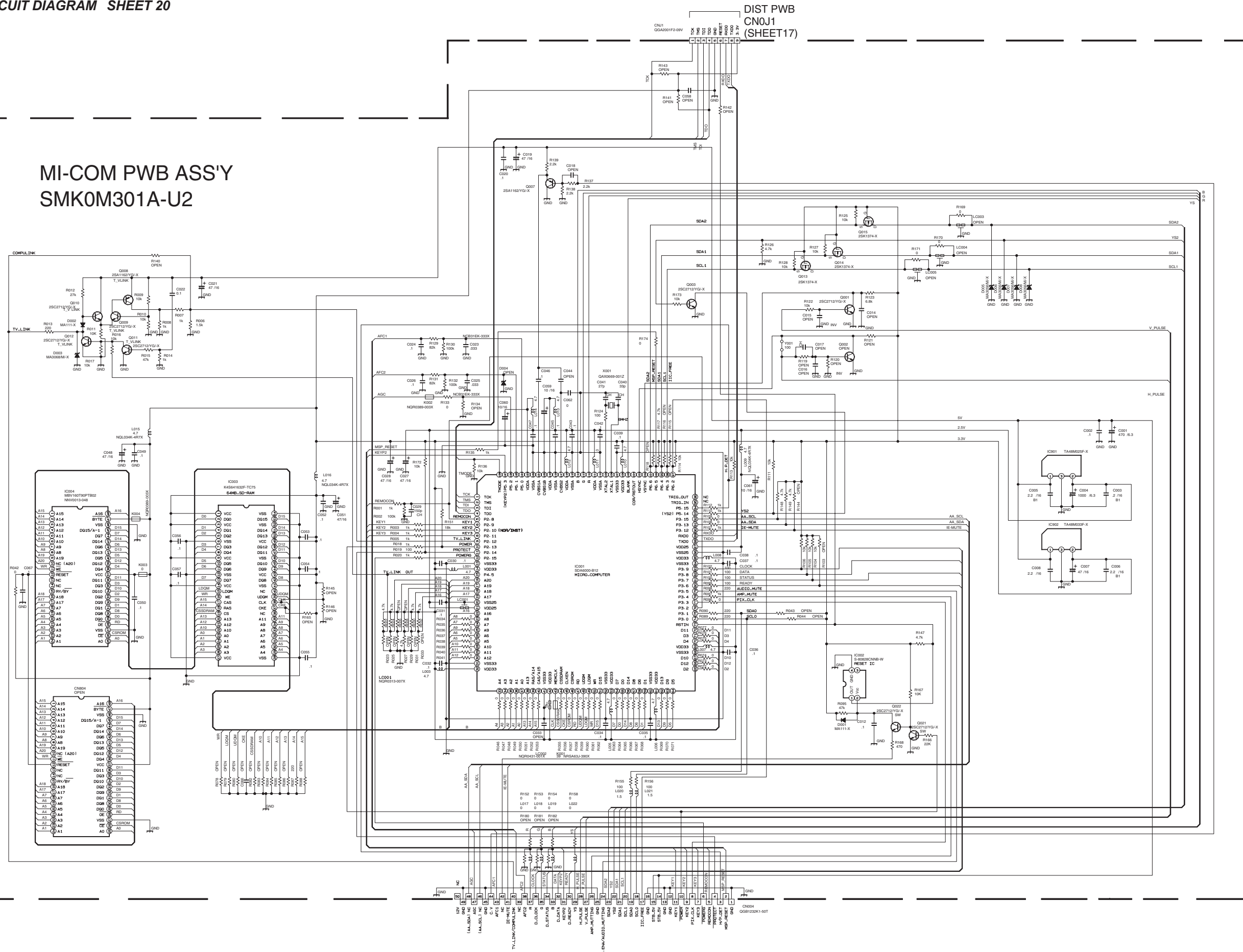
RECEIVER POWER PWB CIRCUIT DIAGRAM SHEET 18



MI-COM PWB CN004 (SHEET20)

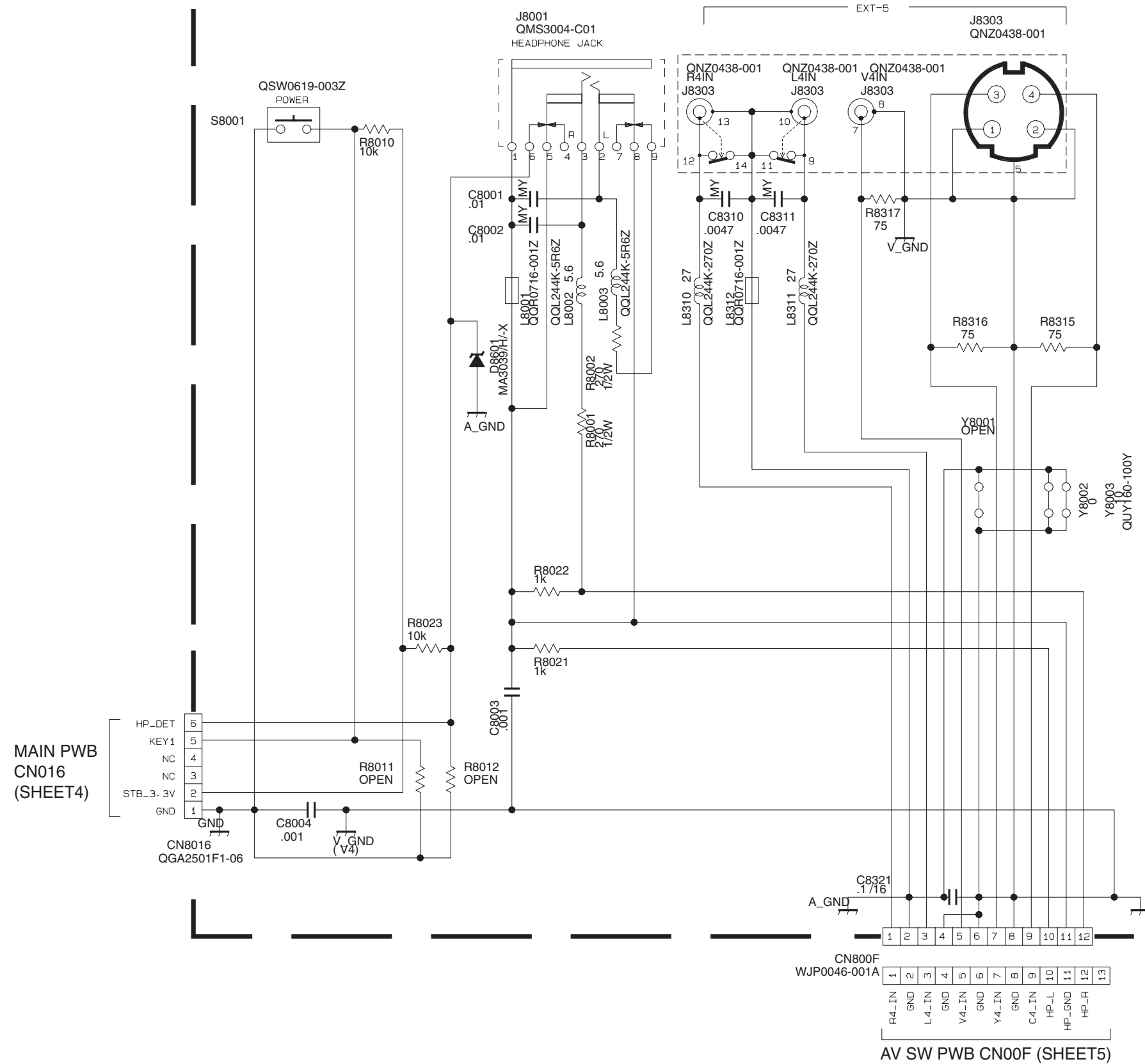
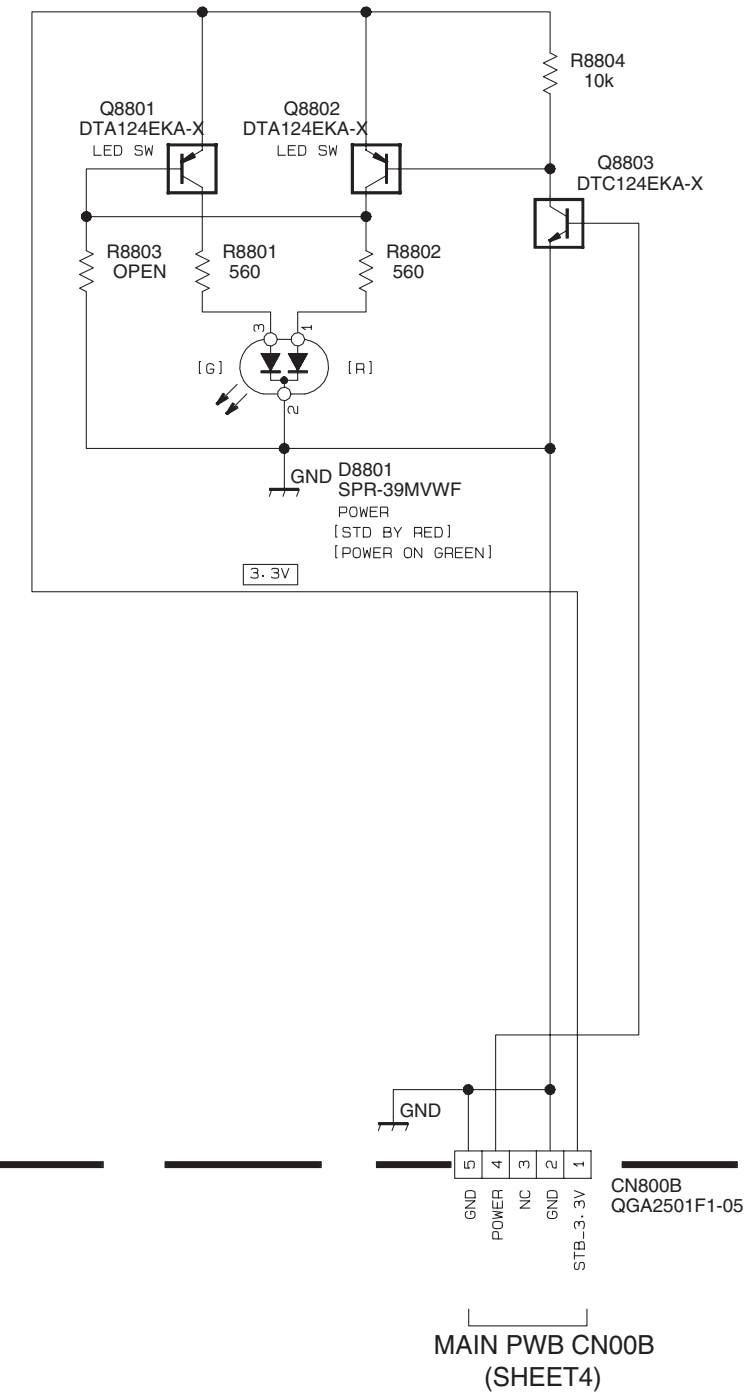


MI-COM PWB CIRCUIT DIAGRAM SHEET 20

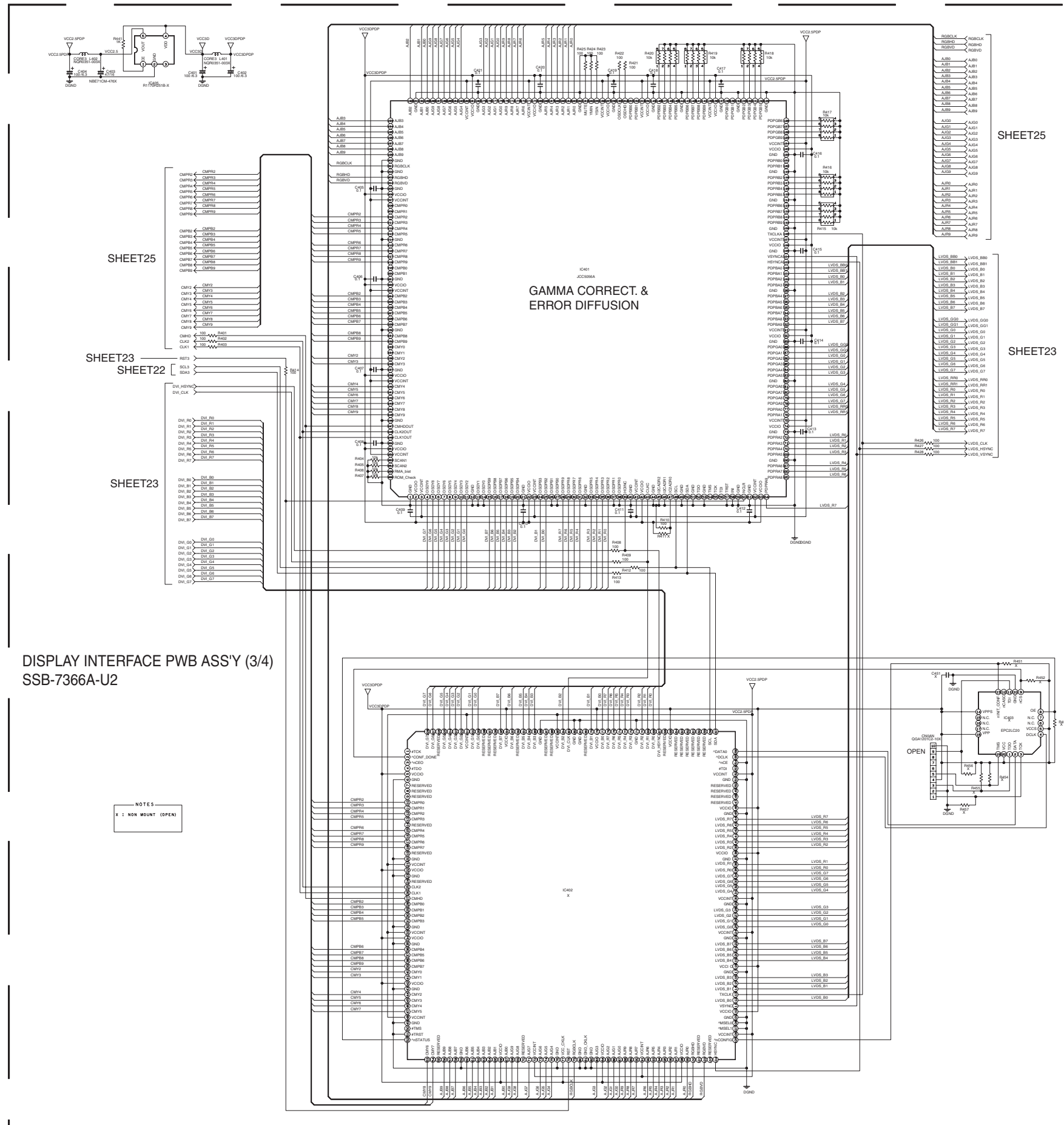
MI-COM PWB ASS'Y
SMK0M301A-U2

MI-COM INTERFACE PWB CN014 (SHEET19)

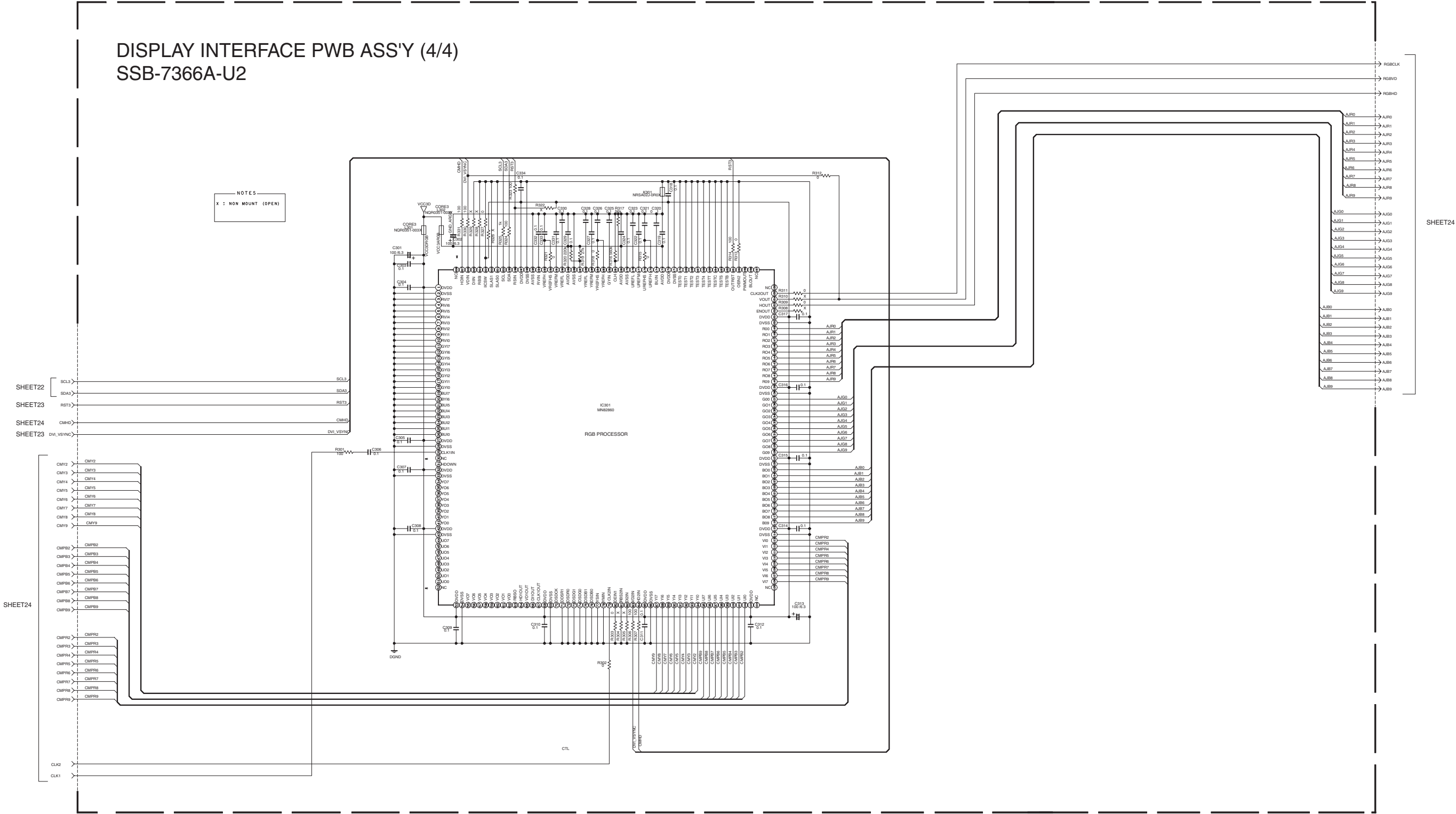
FRONT CONTROL PWB CIRCUIT DIAGRAM SHEET 21

FRONT CONTROL PWB ASS'Y
SMK-8301A-U2

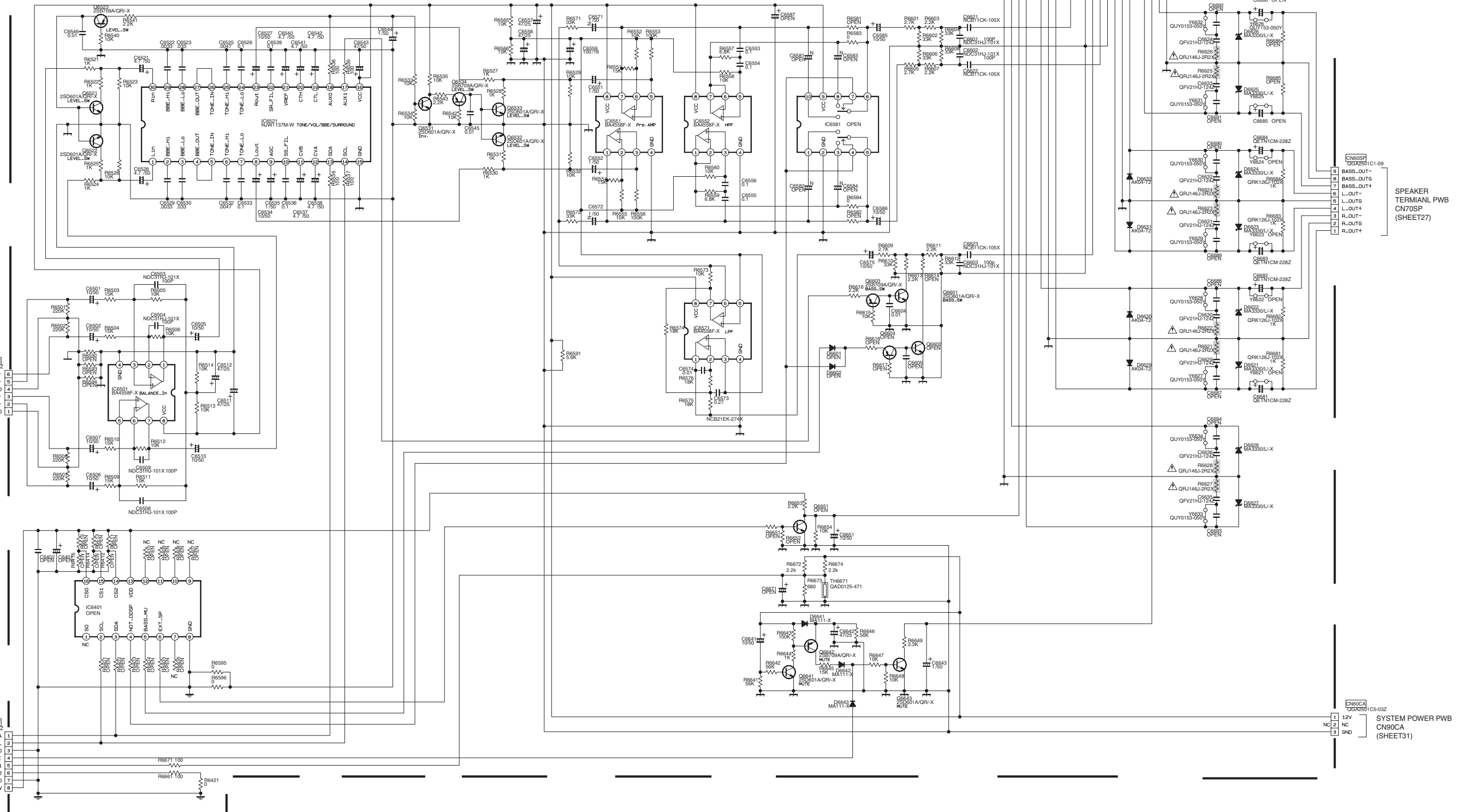
DISPLAY INTERFACE PWB CIRCUIT DIAGRAM (3/4) SHEET 24

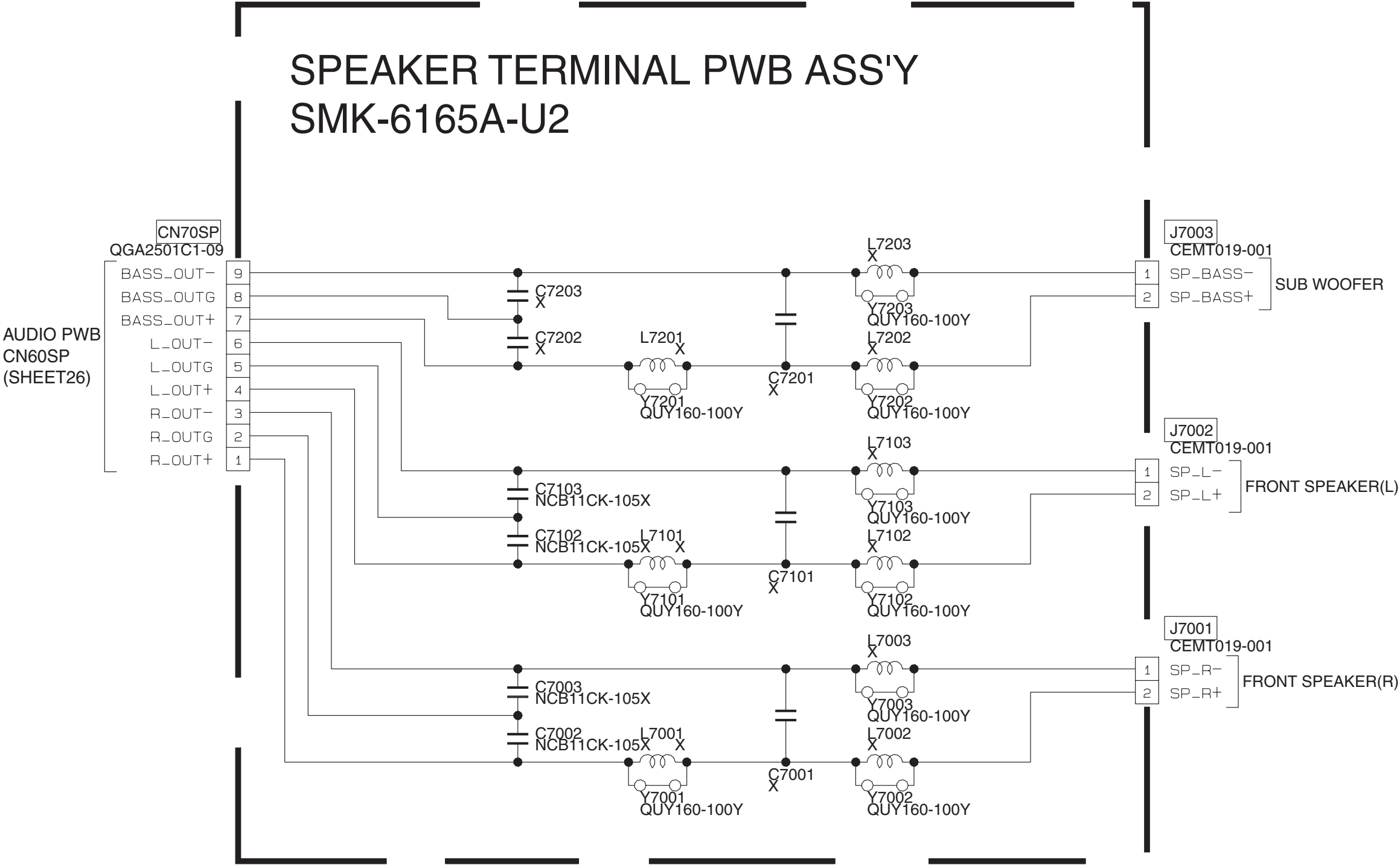


DISPLAY INTERFACE PWB CIRCUIT DIAGRAM (4/4) SHEET 25



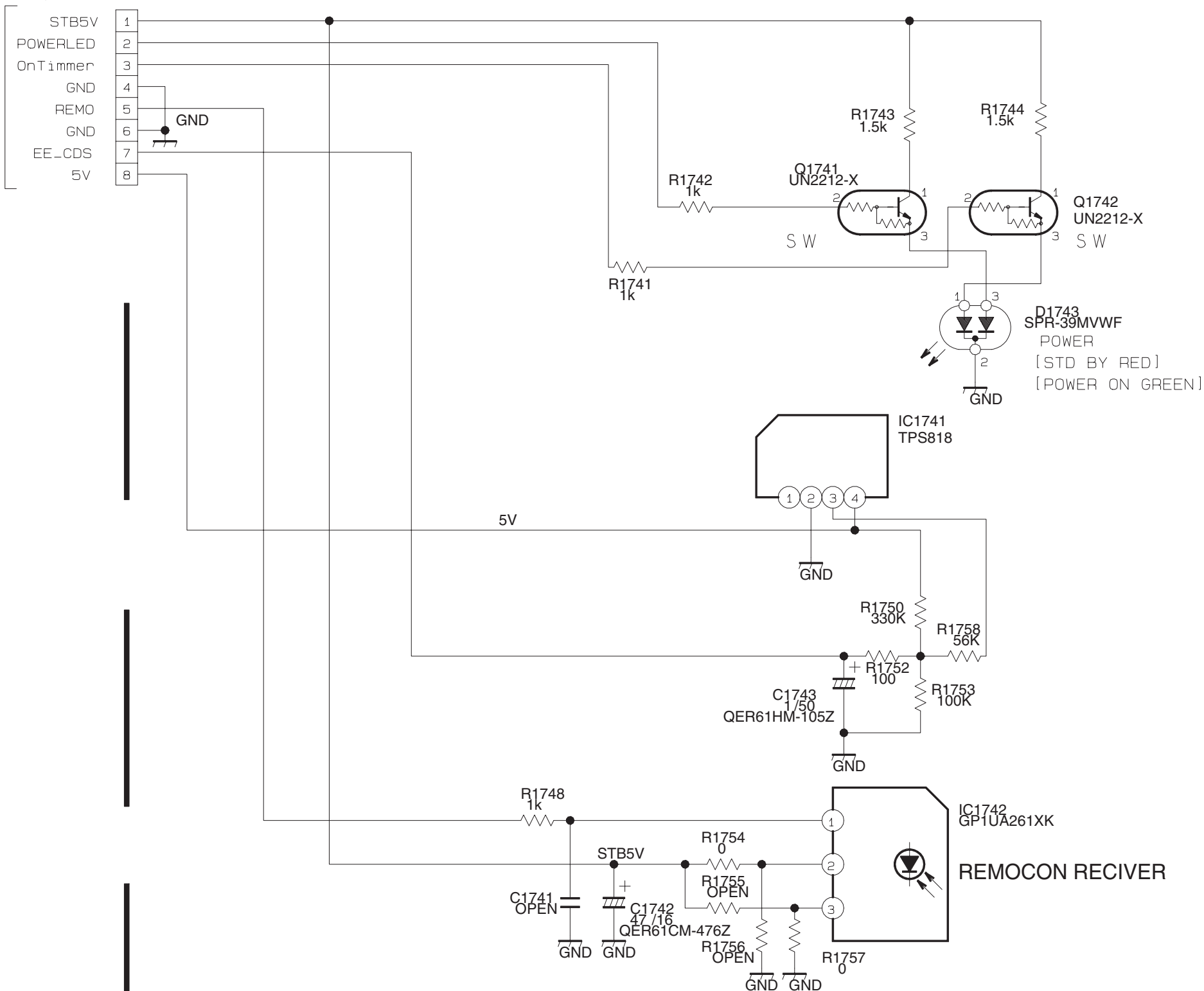
AUDIO PWB CIRCUIT DIAGRAM SHEET 26

AUDIO PWB ASS'Y
SMK-6065A-U2DISPLAY
INTERFACE
PWB
CNOCE
(SHEET22)DISPLAY
INTERFACE
PWB
CNOCF
(SHEET22)CN60CE
QGA2501CS-082CN60CF
QGA2501CS-082R.IN+
R.IN-
R.IN.GND
L.IN+
L.IN-
L.IN.GNDSDA
SCL
GND
AMUTE
AMP_PRO1
AMP_PRO2
GND
5VCN900K
QGA7901C1-02
SYSTEM POWER PWB
CN900K
(SHEET31)CN60SF
QGA2501C1-09
SPEAKER
TERMIANL PWB
CN70SP
(SHEET27)CN60CA
QGA2501CS-032
SYSTEM POWER PWB
CN90CA
(SHEET31)

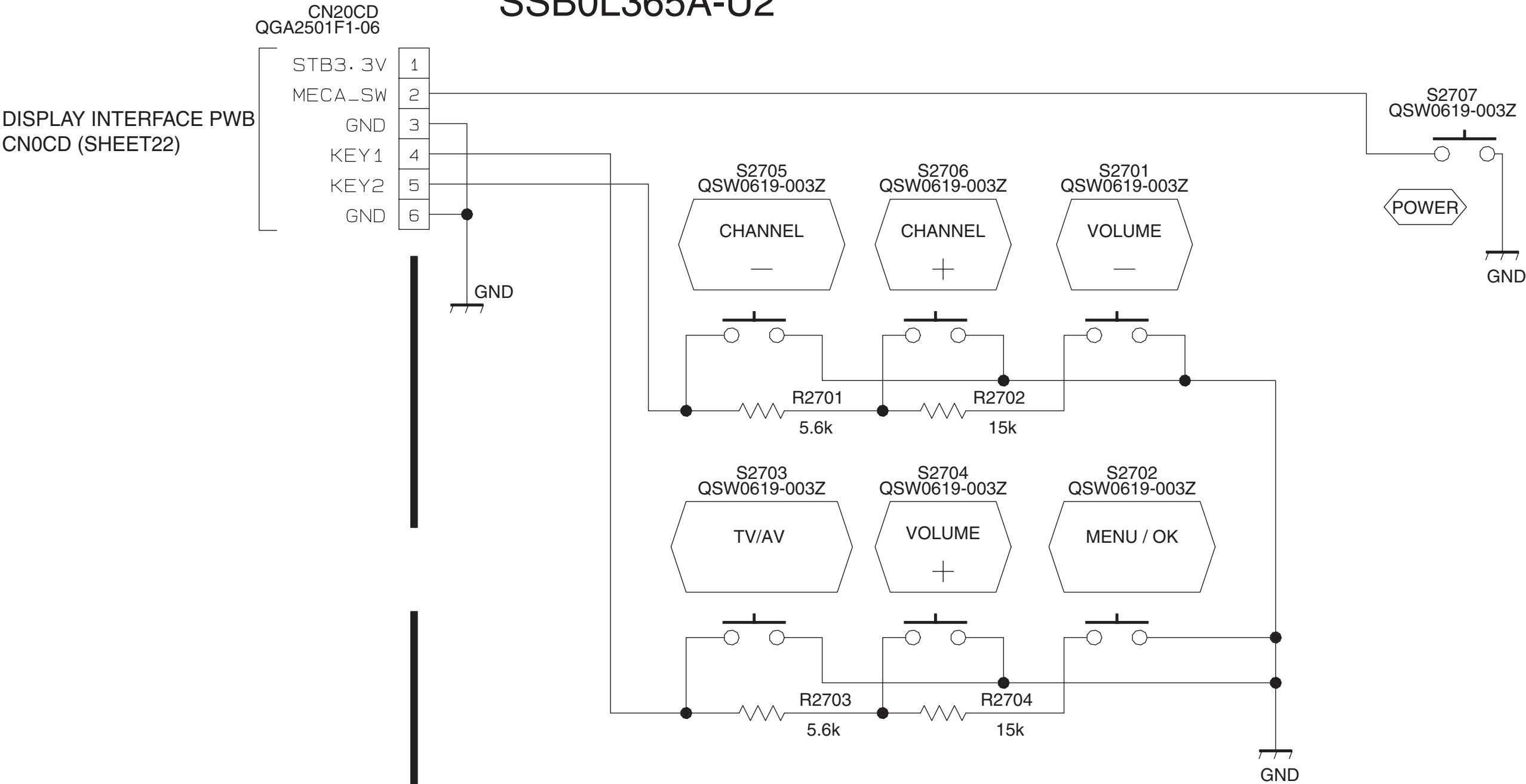


DISPLAY INTERFACE PWB
CN0CC
(SHEET22)

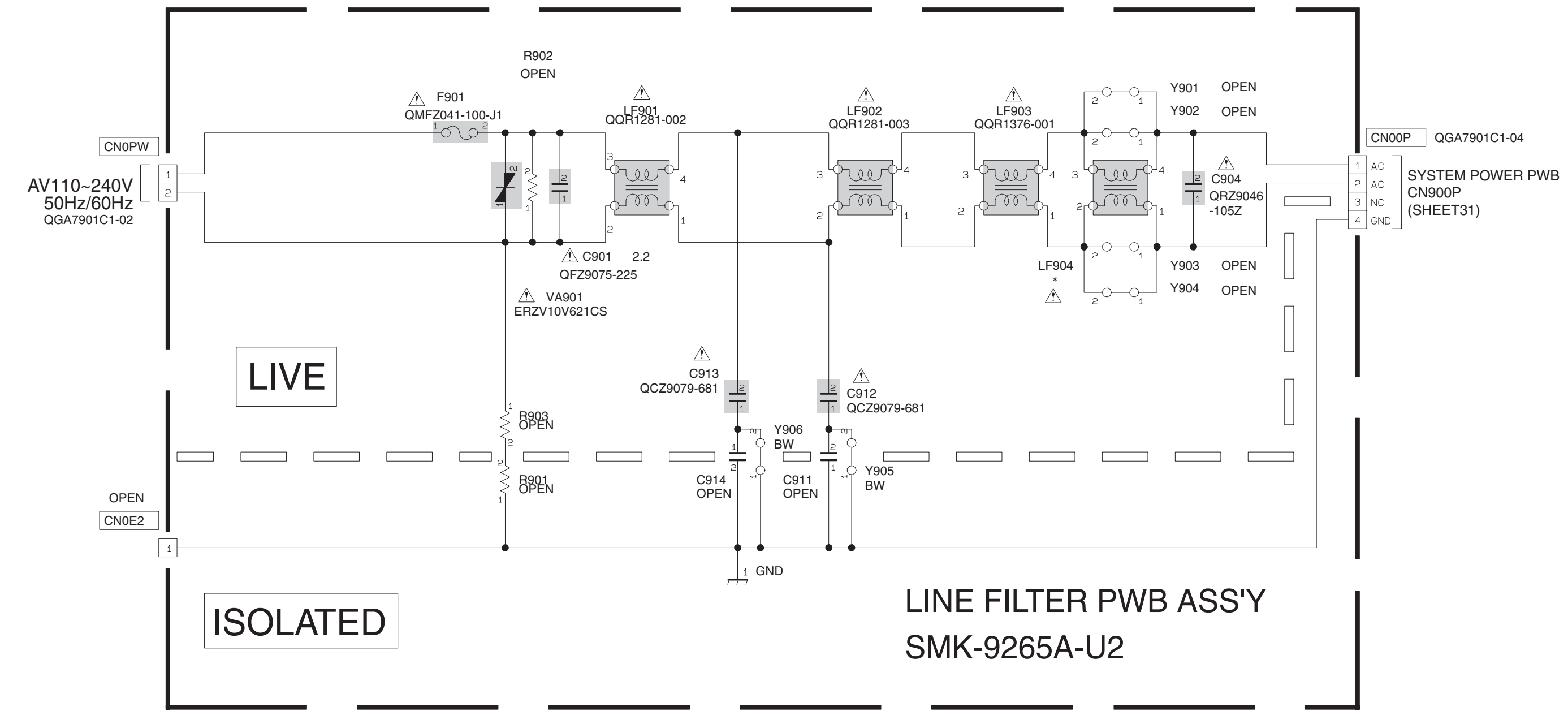
CN10CC
QGA2501F1-08



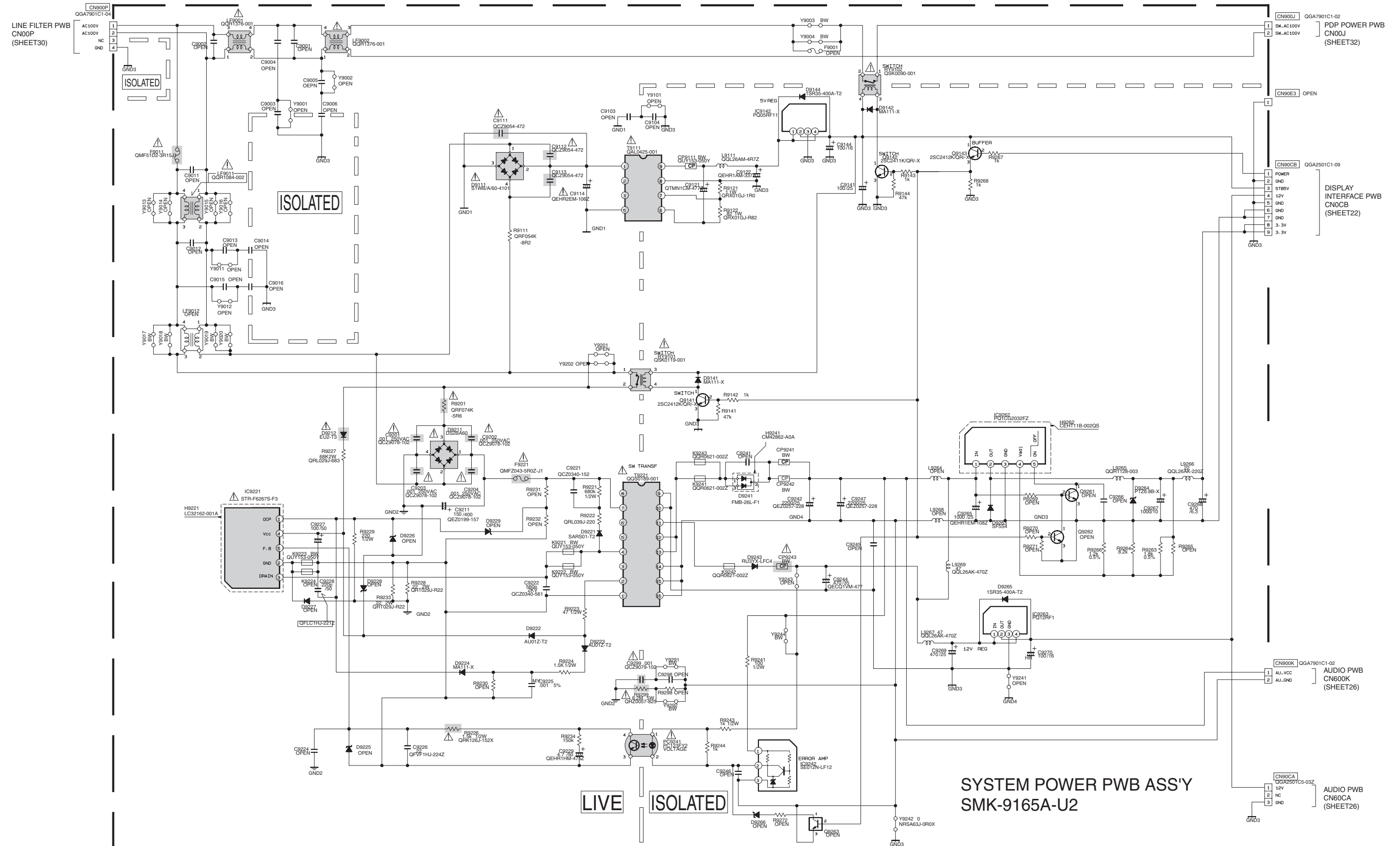
DISPLAY SWITCH PWB ASS'Y
SSB0L365A-U2

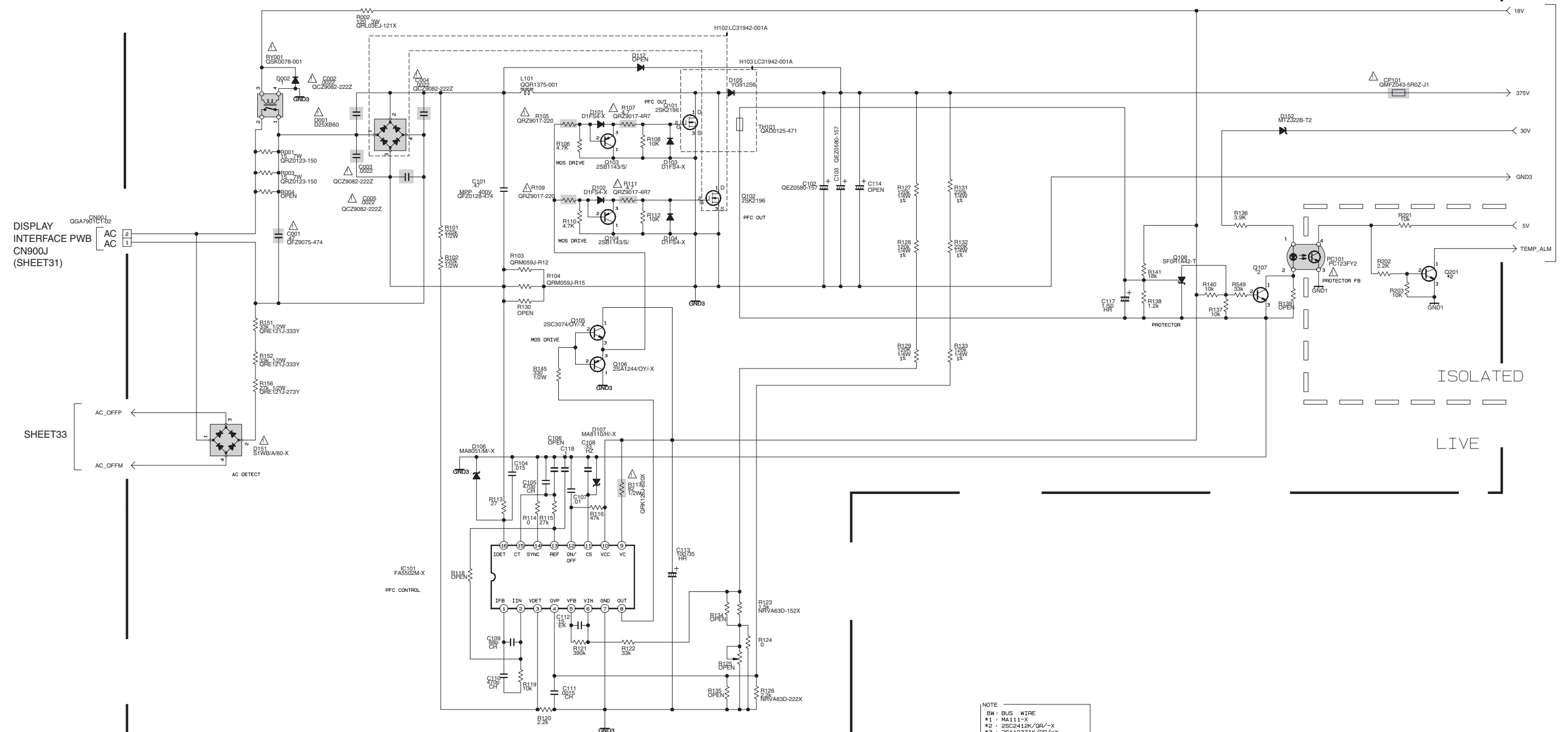


LINE FILTER PWB CIRCUIT DIAGRAM SHEET 30



SYSTEM POWER PWB CIRCUIT DIAGRAM SHEET 31





SHEET33

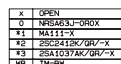
ISOLATED

LIVE

NOTE

BW : BUS WIRE
*1 : MA111-X
*2 : 25C2412K/QR/-X
*3 : 2SA1037AK/QR/-X
X : OPEN

PDP POWER PWB ASS'Y (2/2)
SMK-9066A-U2

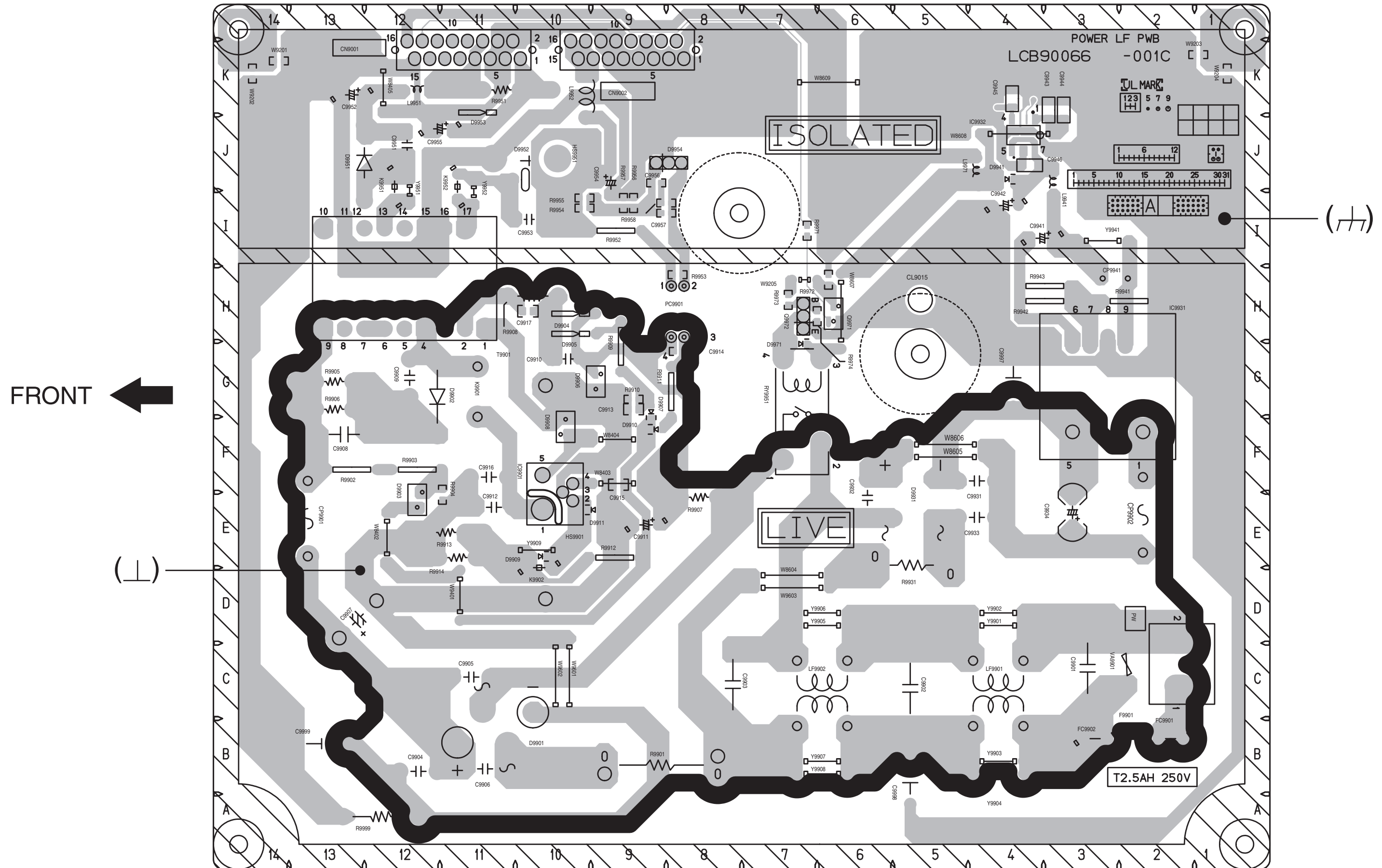


LIVE | ISOLATED

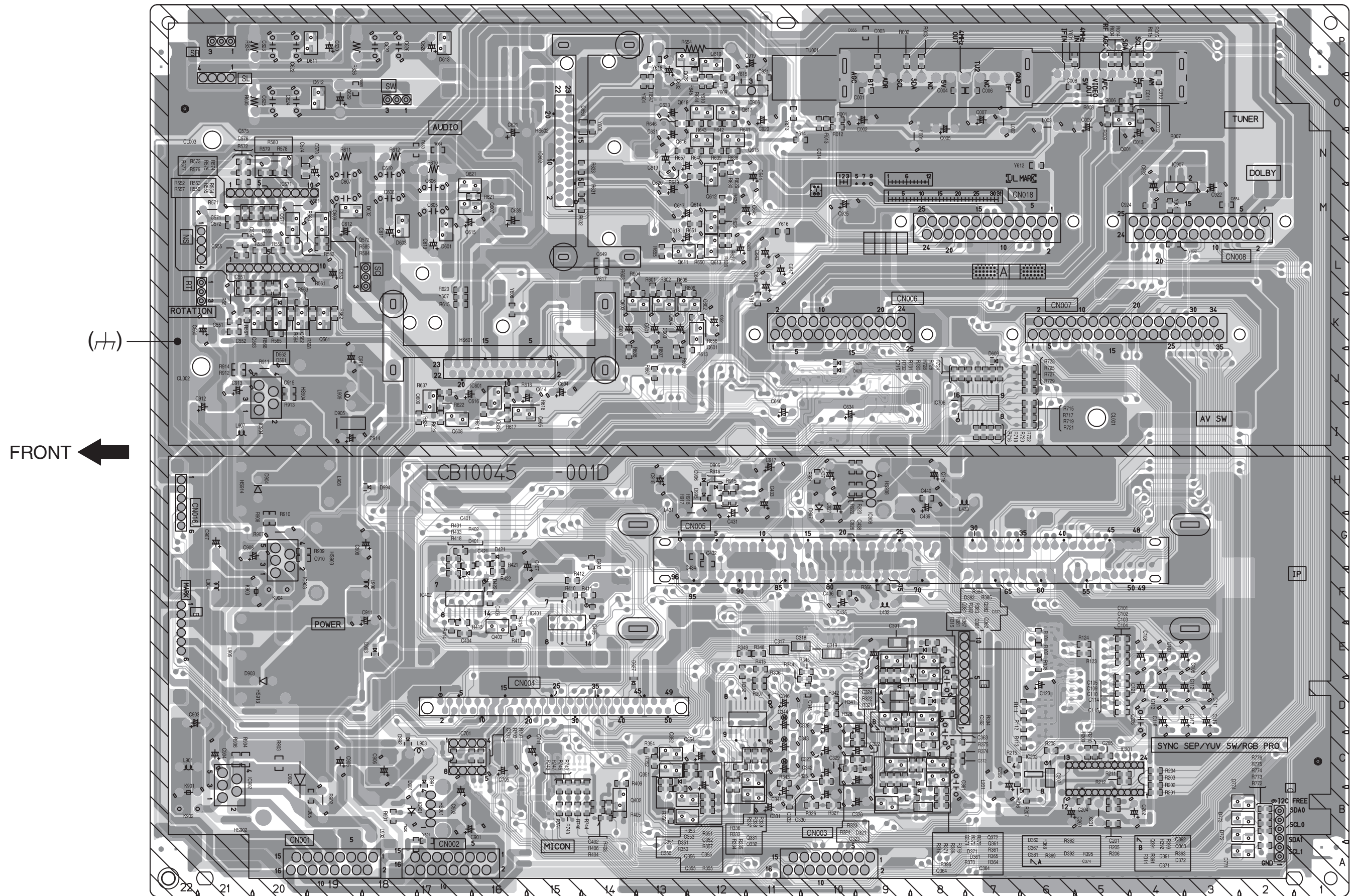
```
NOTE
BW : BUS WIRE
*1 : MA111-X
*2 : 2SC2412K/QR/-X
*3 : 2SA1037AK/QR/-X
X : OPEN
```


PATTERN DIAGRAMS [RECEIVER UNIT]

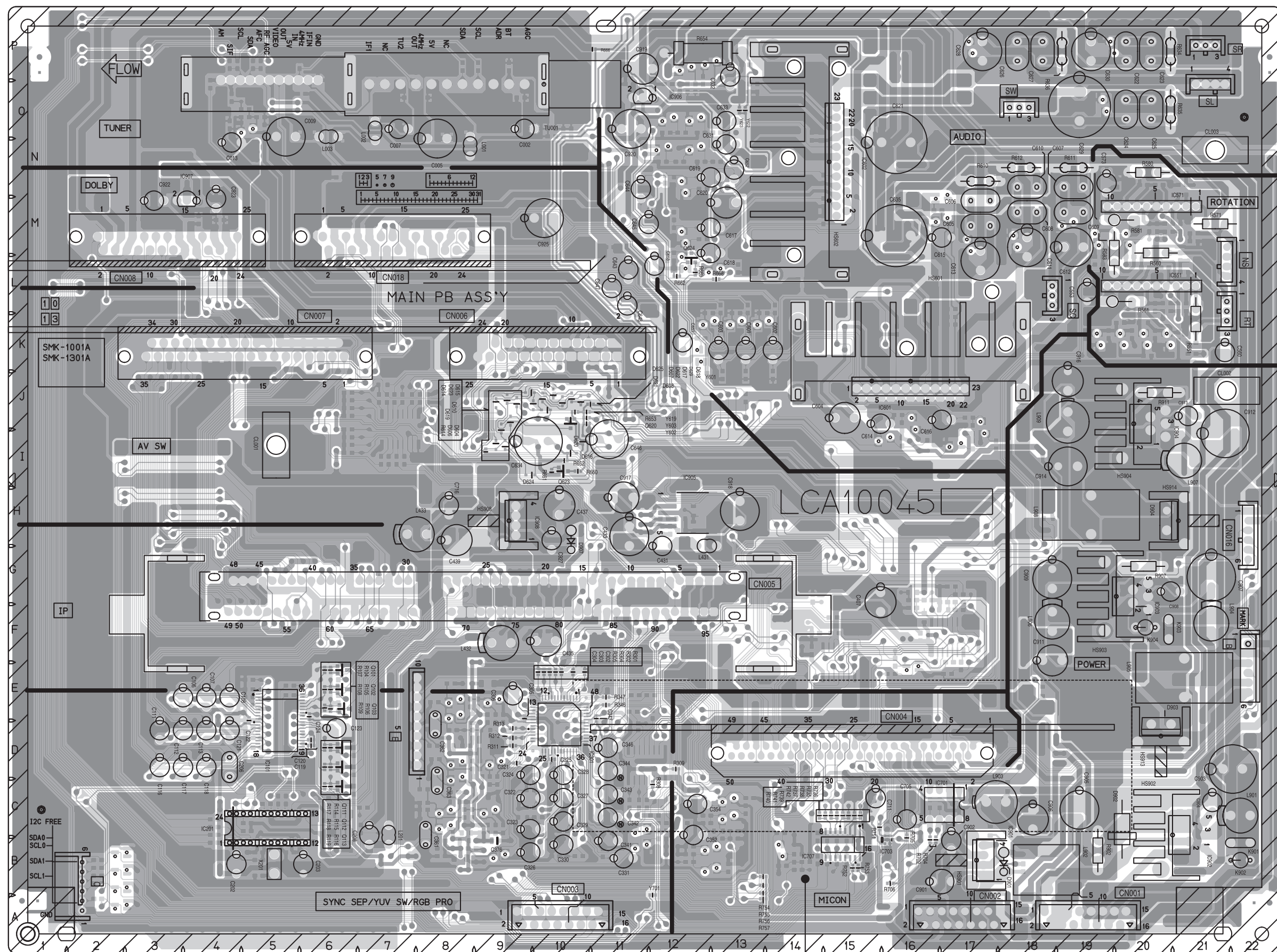
RECEIVER POWER PWB PATTERN



MAIN PWB PATTERN [SOLDER SIDE]

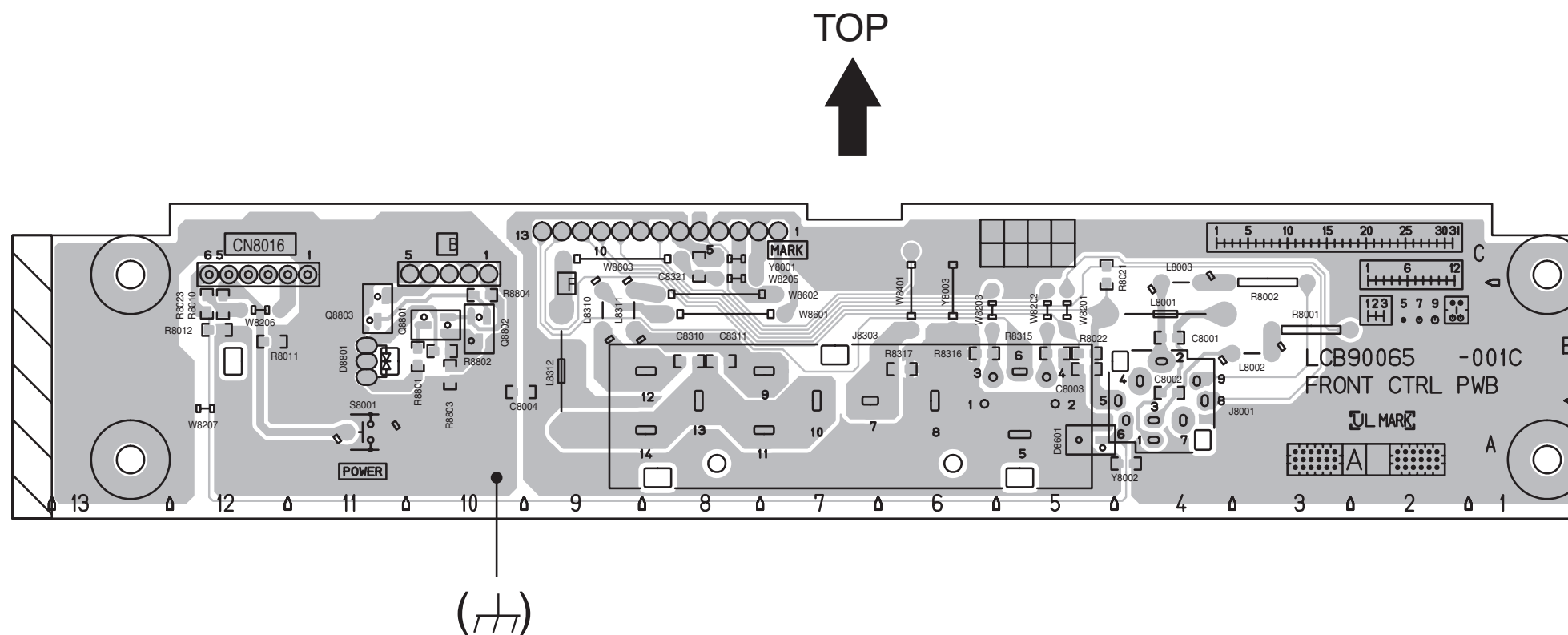


MAIN PWB PATTERN [PARTS SIDE]

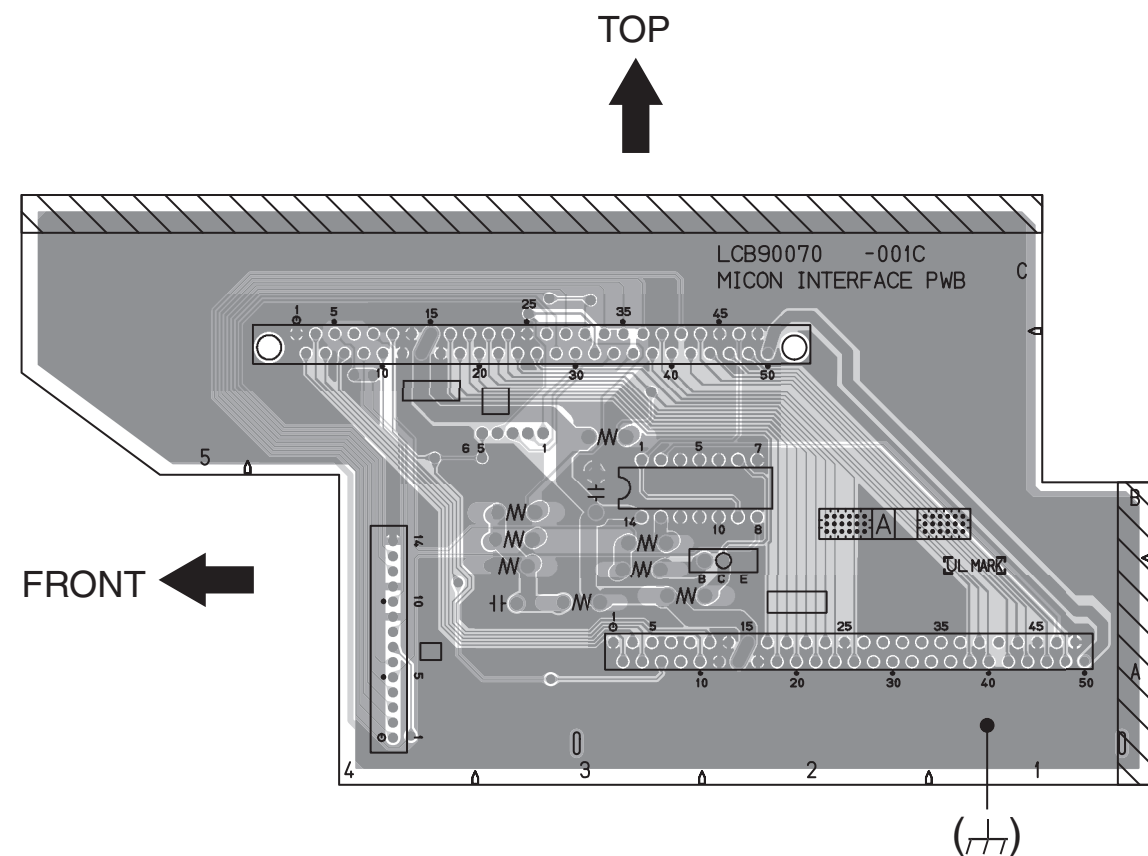


➔ FRONT

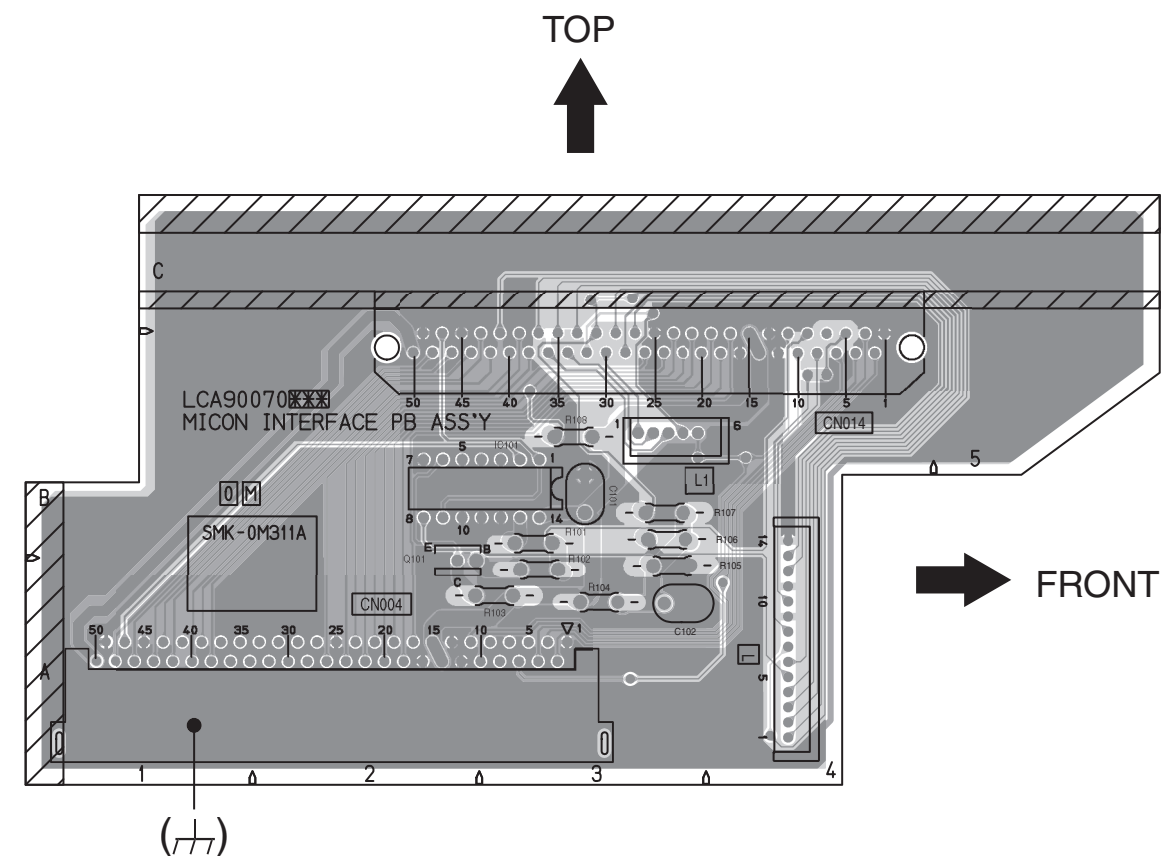
FRONT CONTROL PWB PATTERN

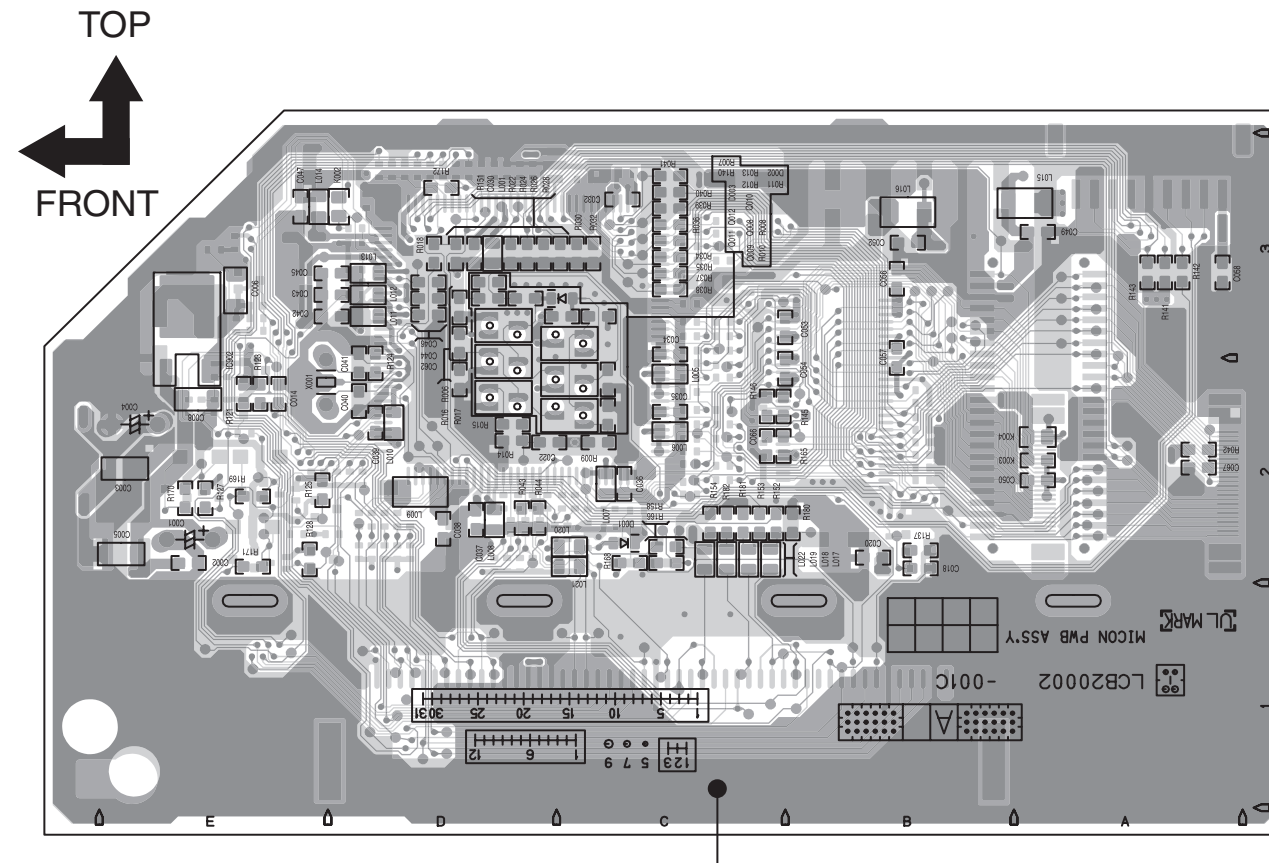
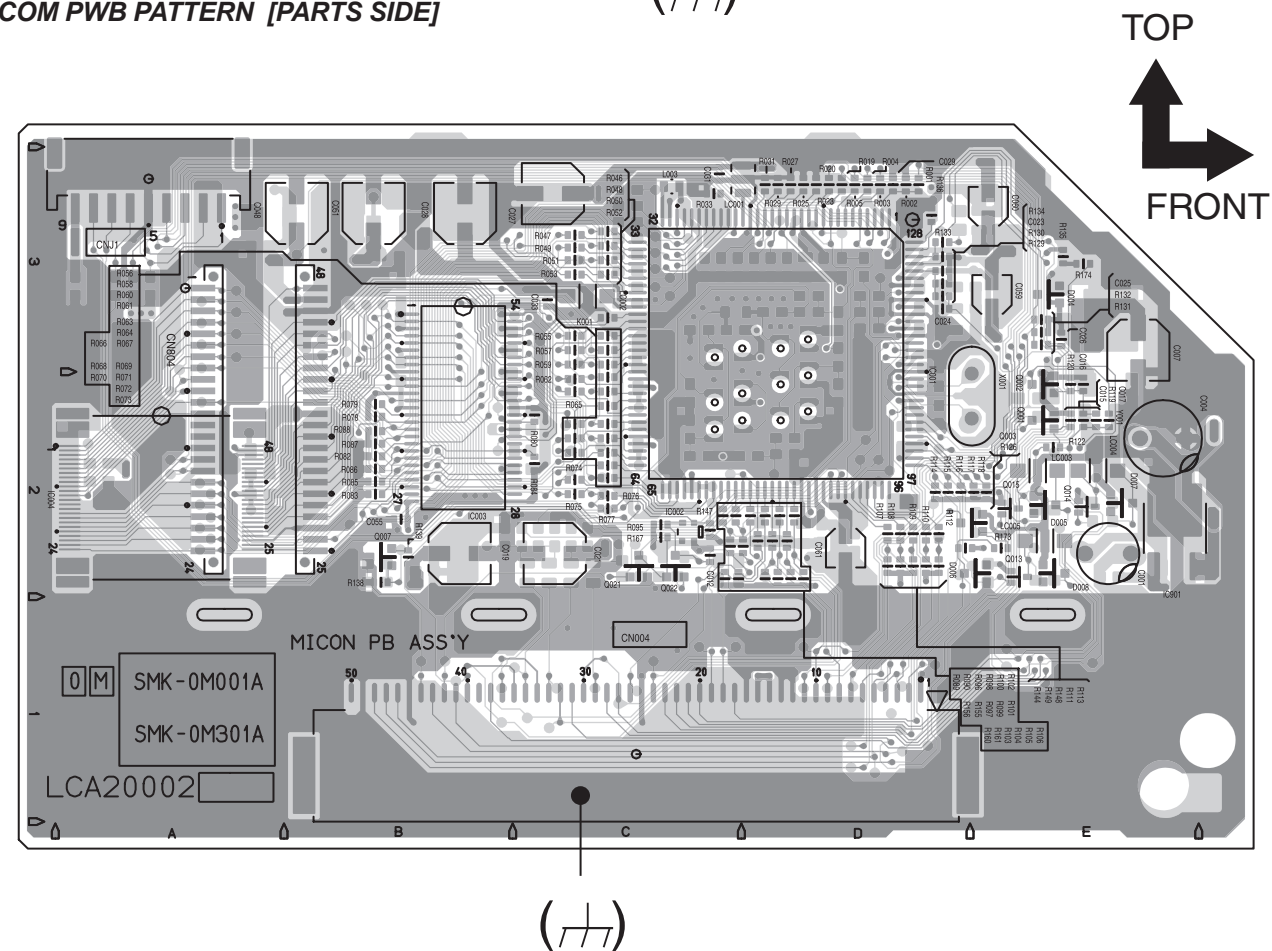


MI-COM INTERFACE PWB PATTERN [SOLDER SIDE]



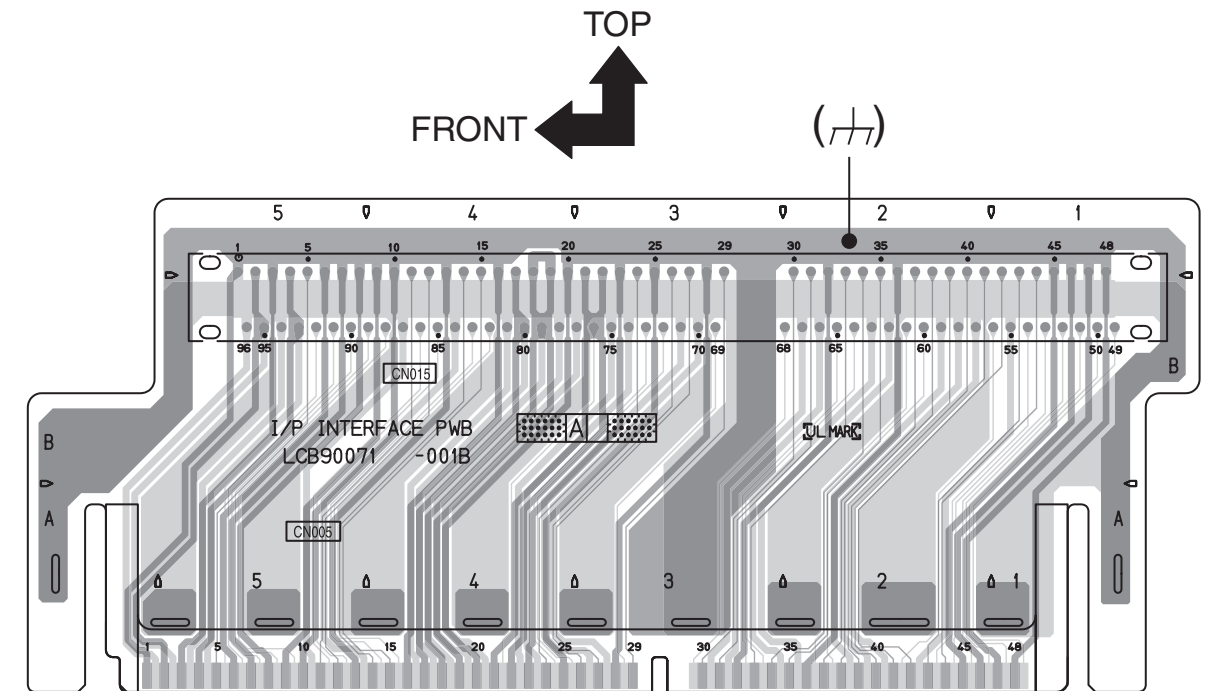
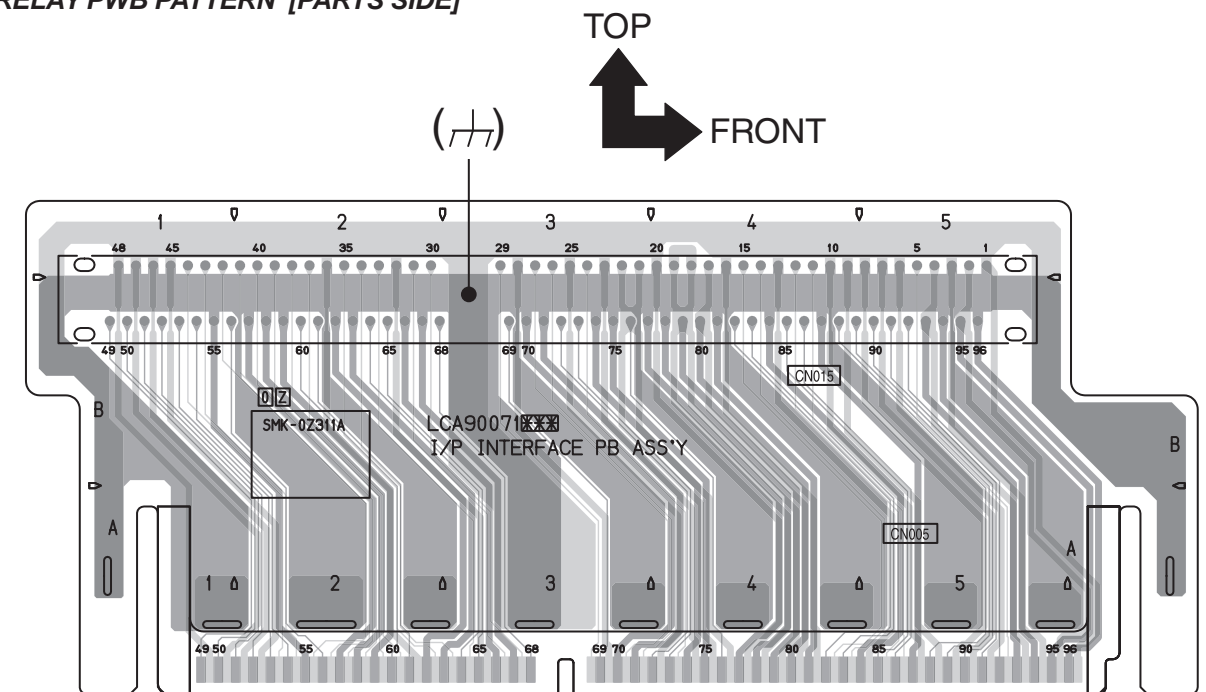
MI-COM INTERFACE PWB PATTERN [PARTS SIDE]



MI-COM PWB PATTERN [SOLDER SIDE]**MI-COM PWB PATTERN [PARTS SIDE]**

No.52090

2-83

DIST RELAY PWB PATTERN [SOLDER SIDE]**DIST RELAY PWB PATTERN [PARTS SIDE]**

No.52090

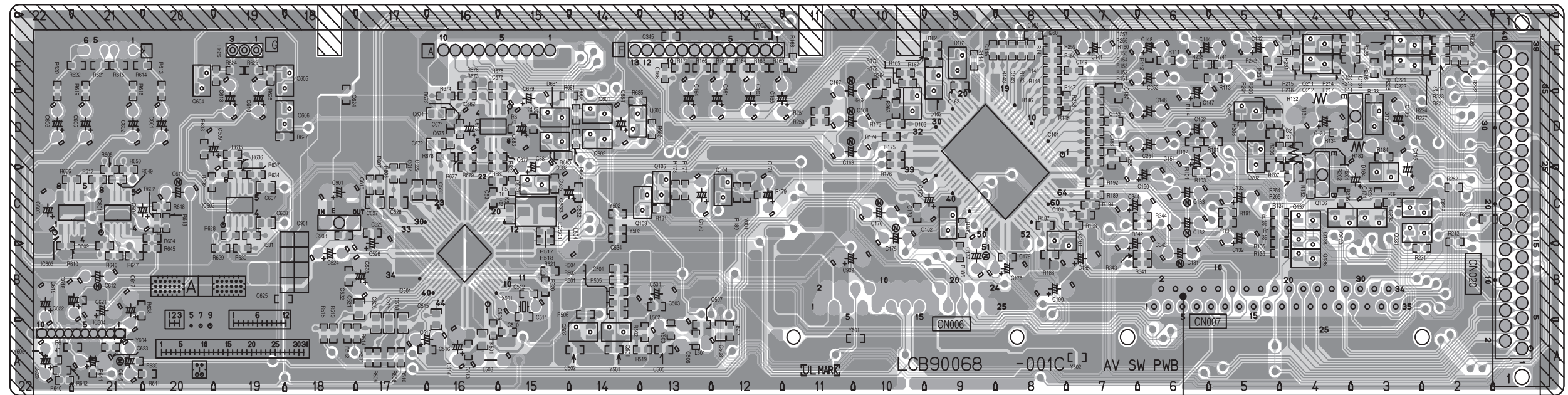
2-84

AV SW PWB PATTERN [SOLDER SIDE]

TOP



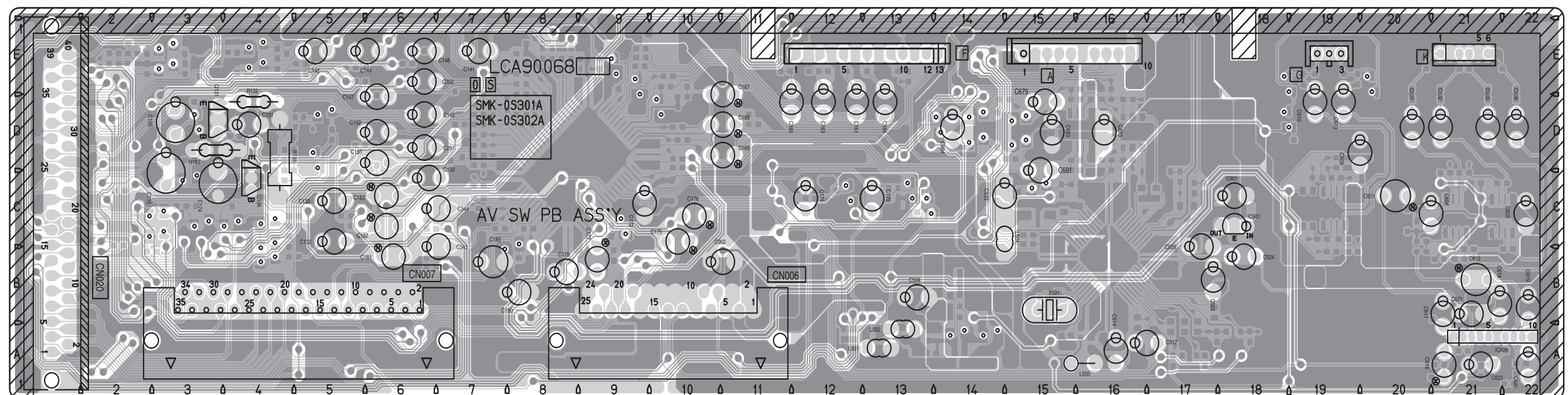
FRONT



(H)

AV SW PWB PATTERN [PARTS SIDE]

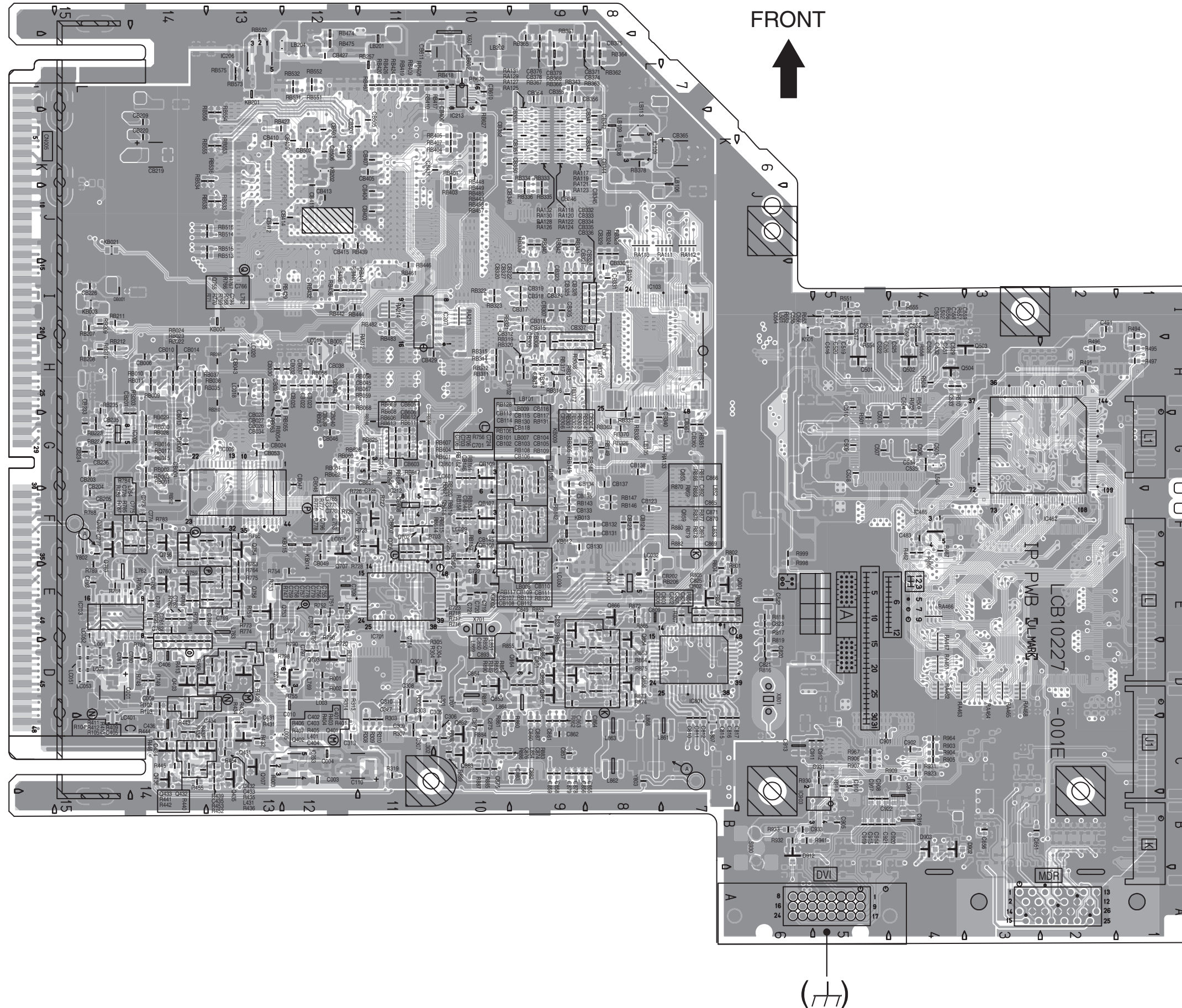
TOP

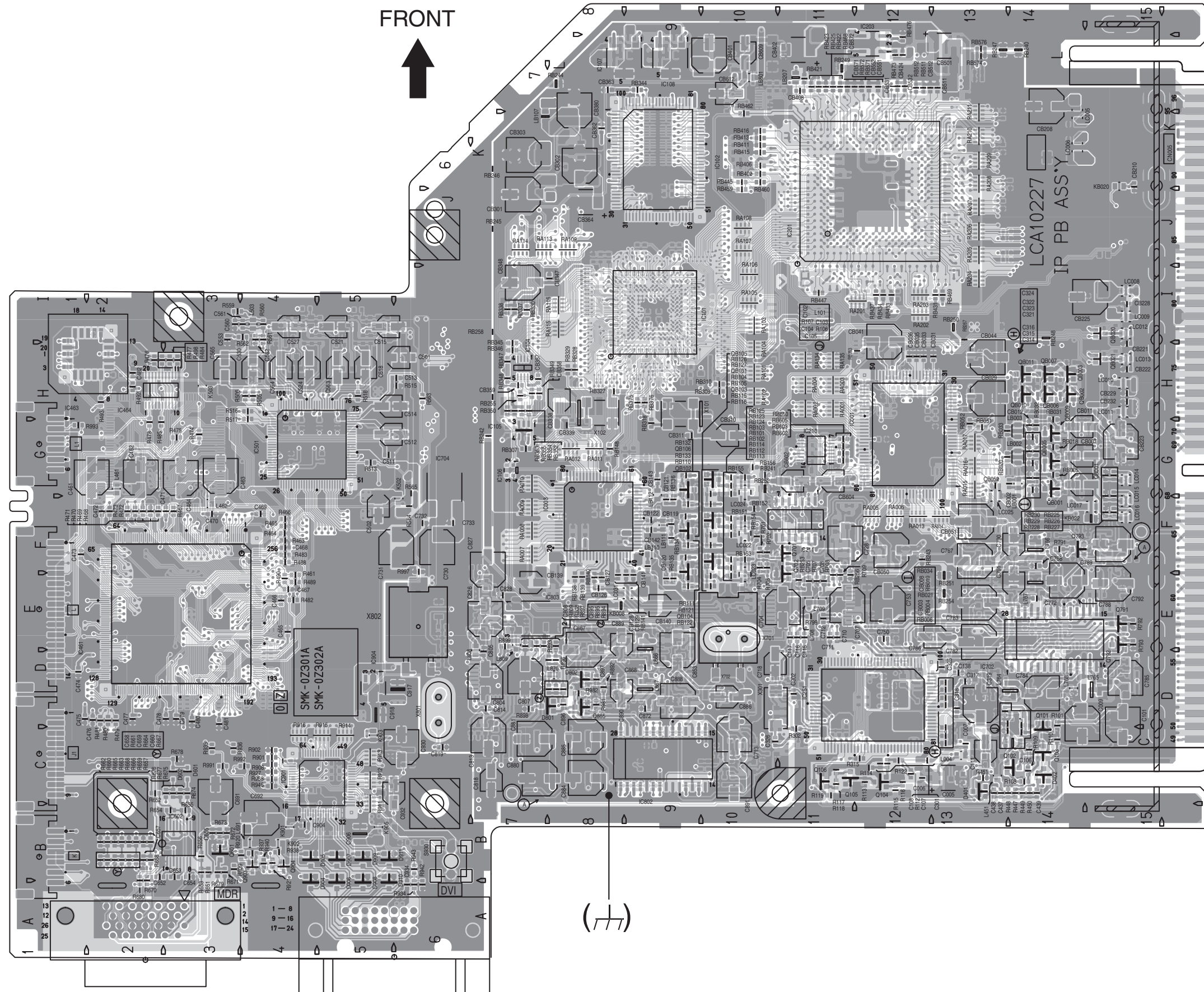


FRONT

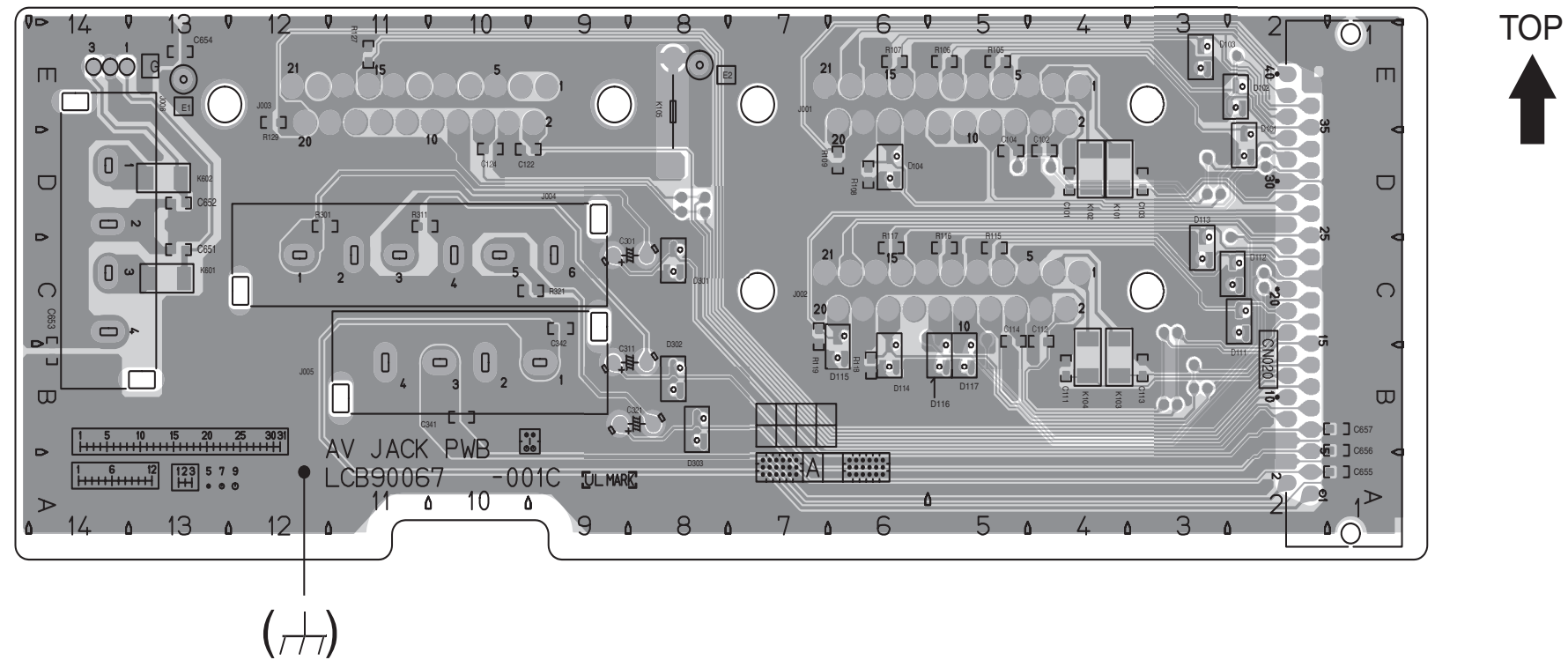


DIST PWB PATTERN [SOLDER SIDE]

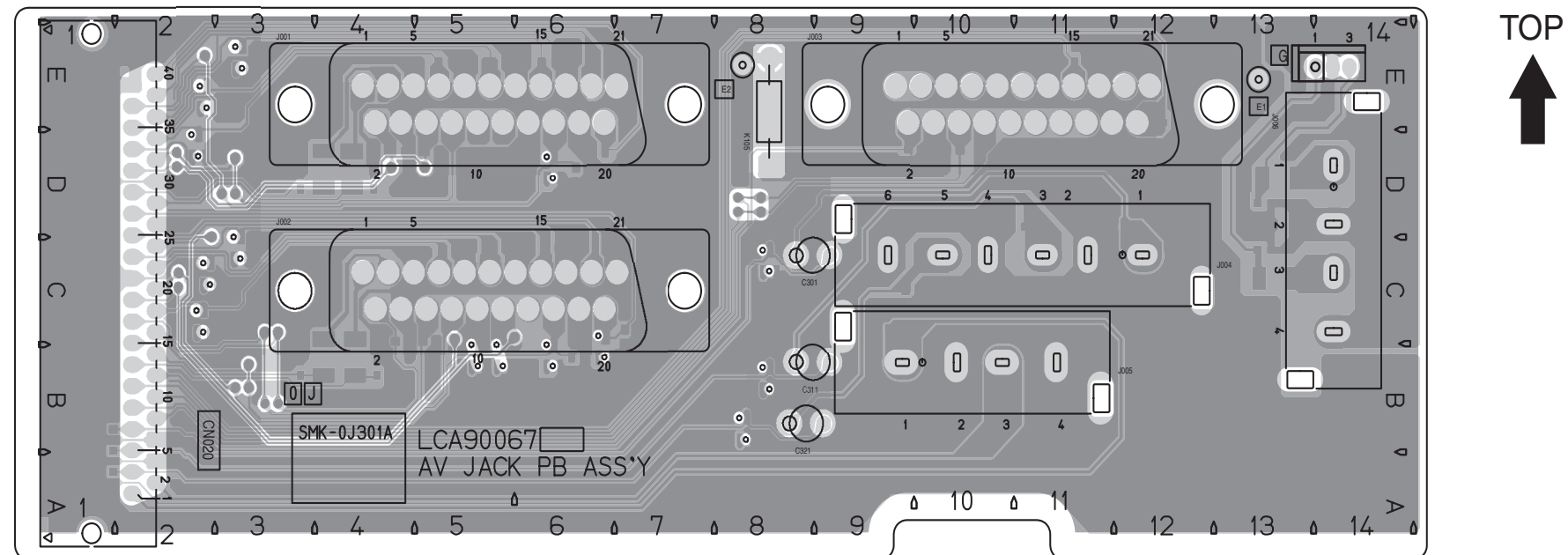




AV JACK PWB PATTERN [SOLDER SIDE]

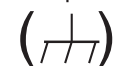
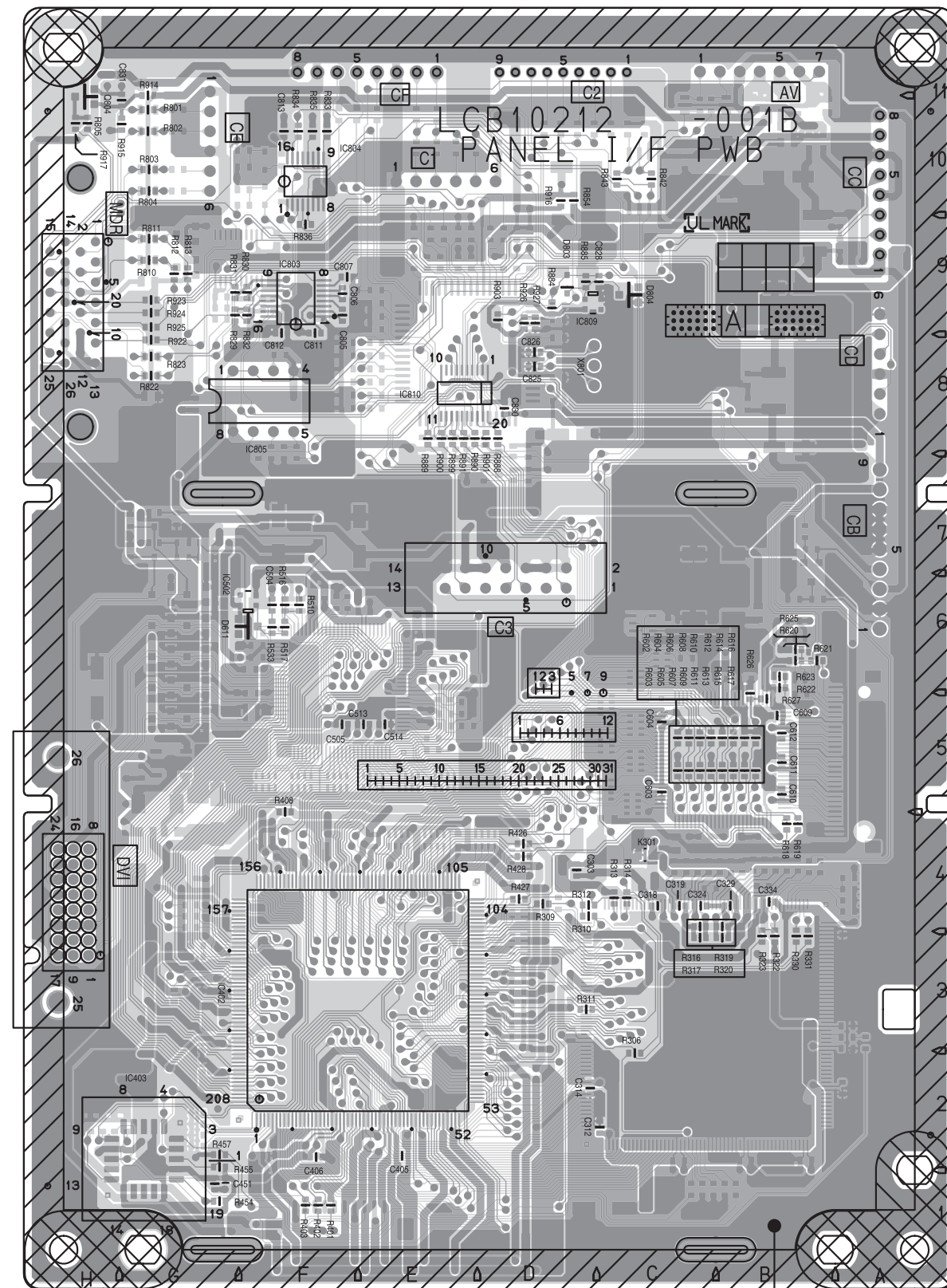


AV JACK PWB PATTERN [PARTS SIDE]



PATTERN DIAGRAMS [DISPLAY UNIT]

DISPLAY INTERFACE PWB PATTERN [SOLDER SIDE]

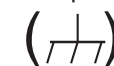
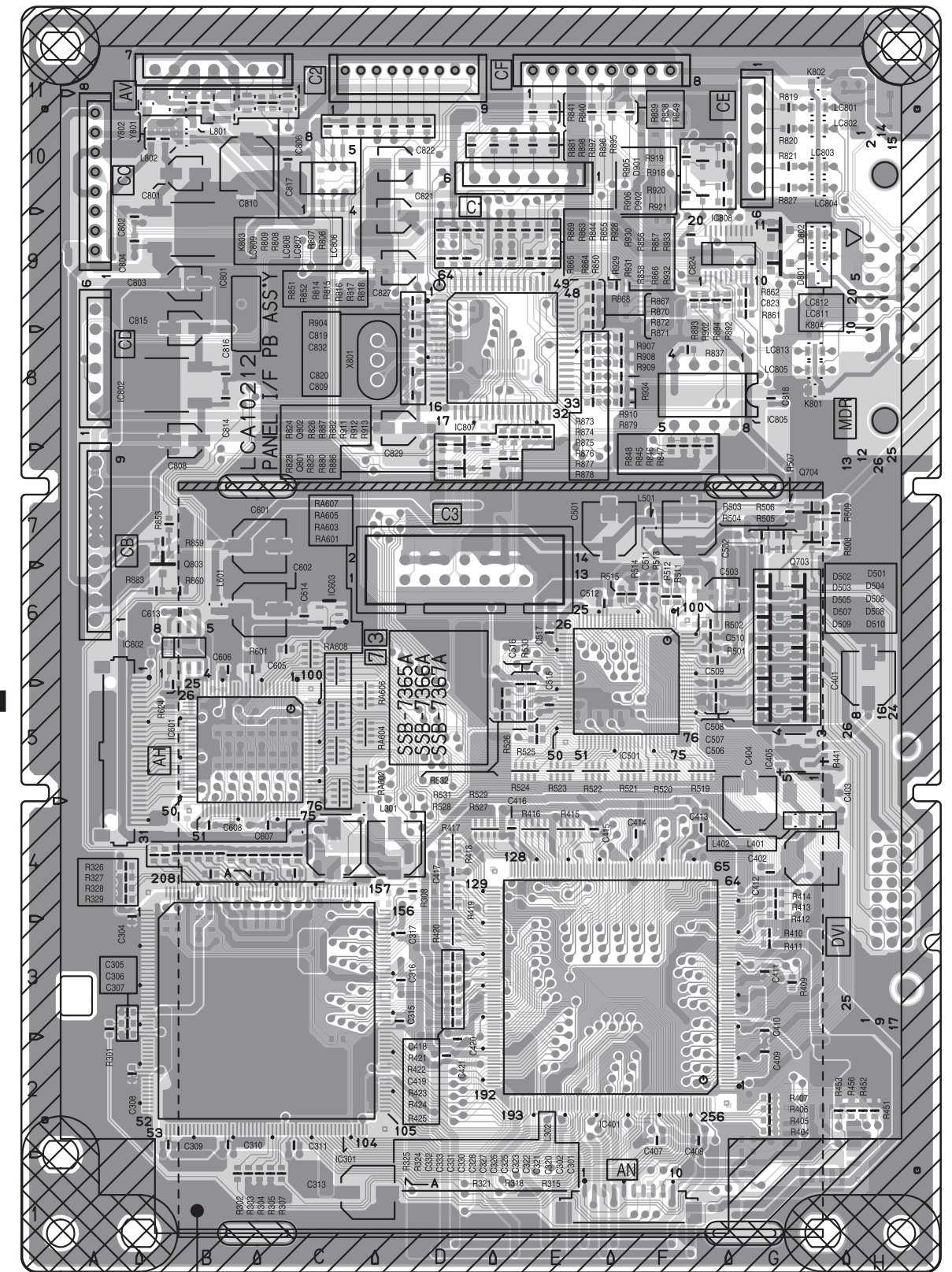


No.52090

2-93

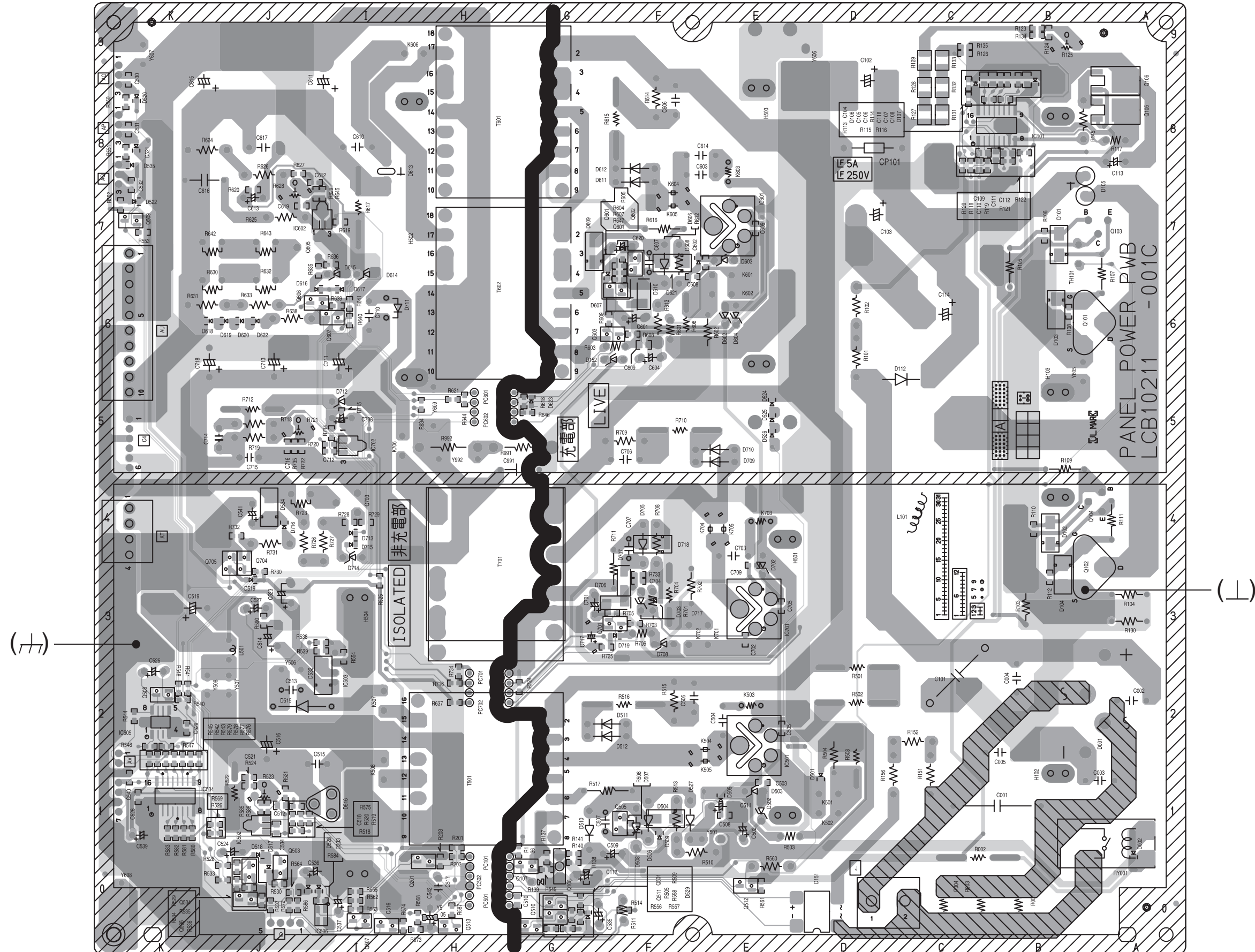
2-94

DISPLAY INTERFACE PWB [PARTS SIDE]

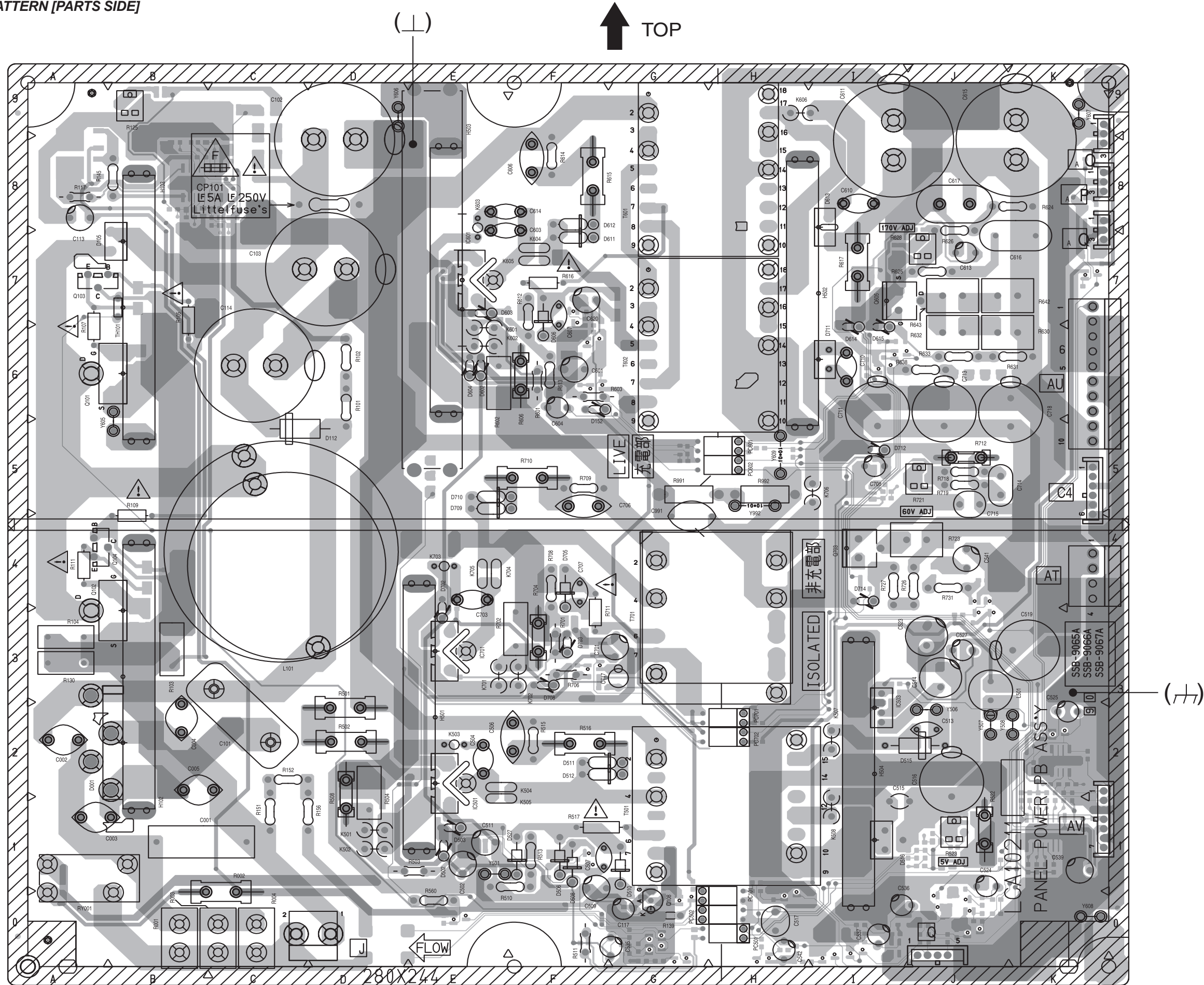


No.52090

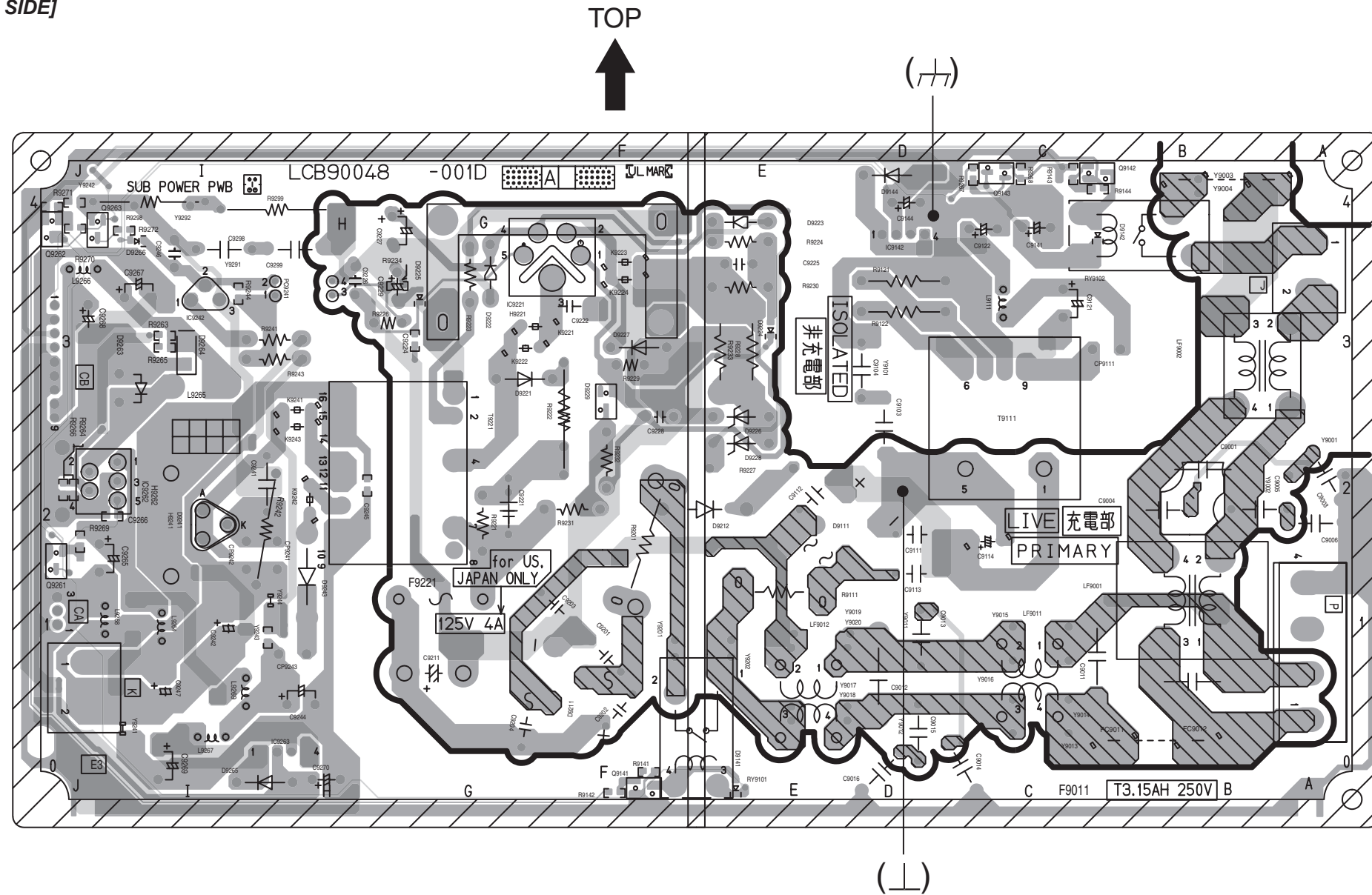
PDP POWER PWB PATTERN [SOLDER SIDE]



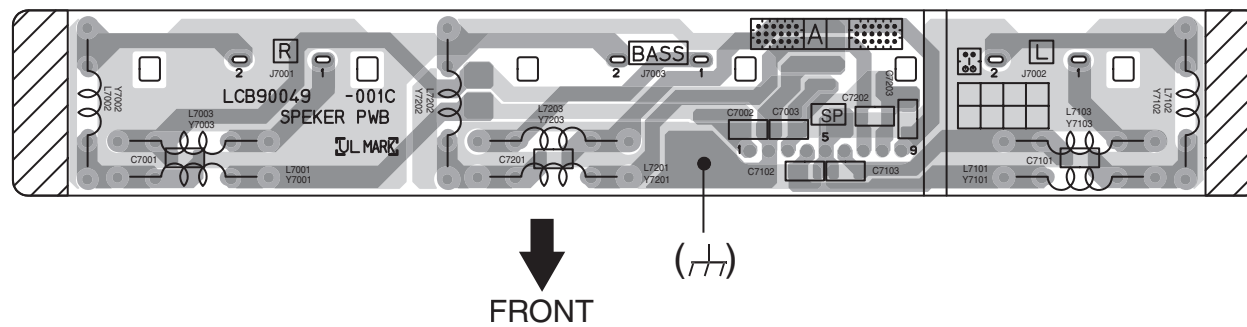
PDP POWER PWB PATTERN [PARTS SIDE]

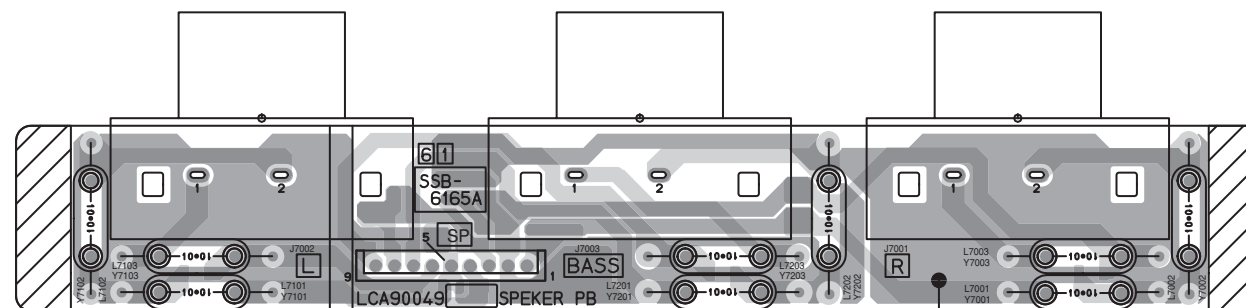
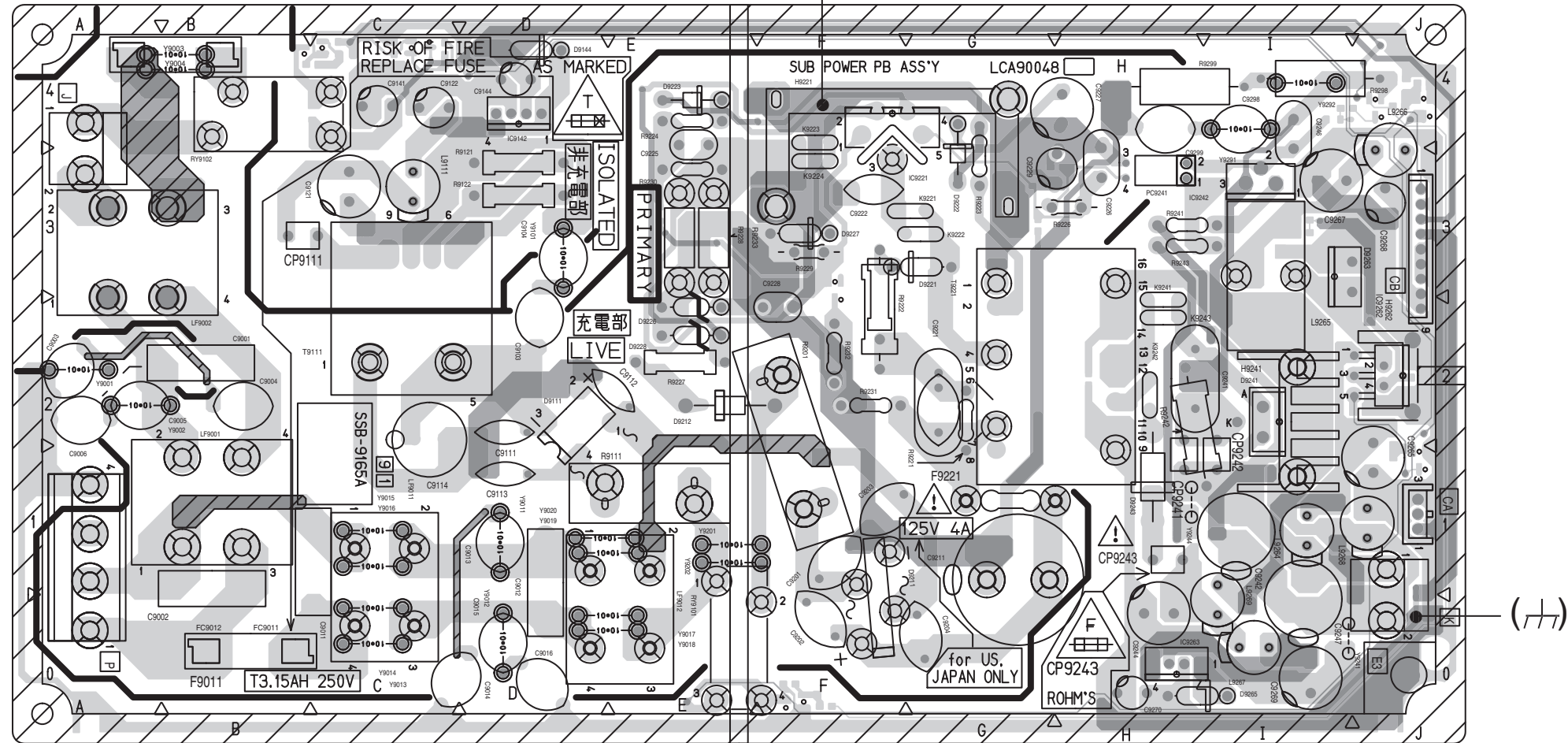


SYSTEM POWER PATTERN [SOLDER SIDE]



SPEAKER TERMINAL PWB PATTERN [SOLDER SIDE]



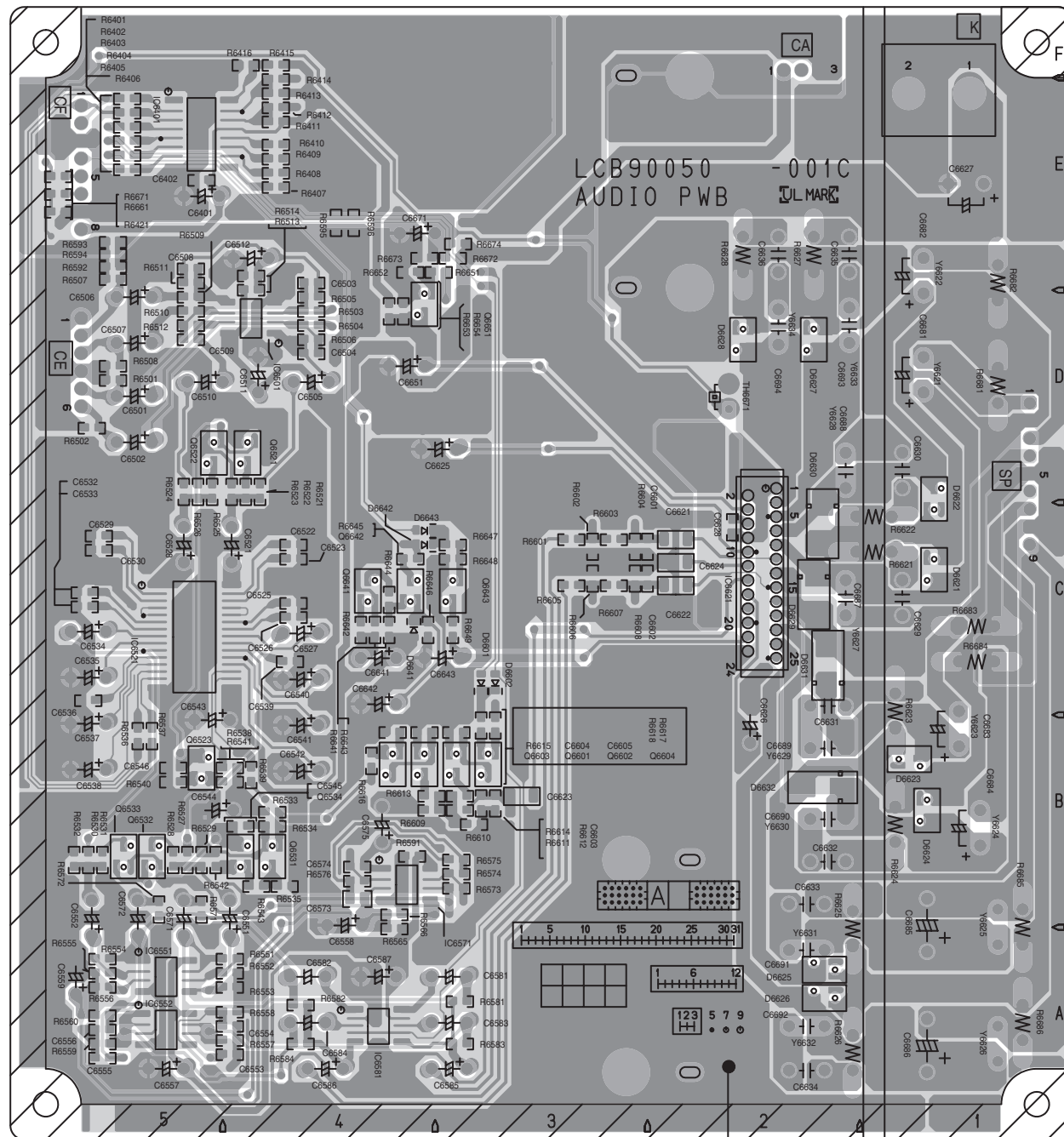
$$(\perp)$$


FRONT

$$\left(\begin{array}{c} | \\ \hline // \end{array} \right)$$

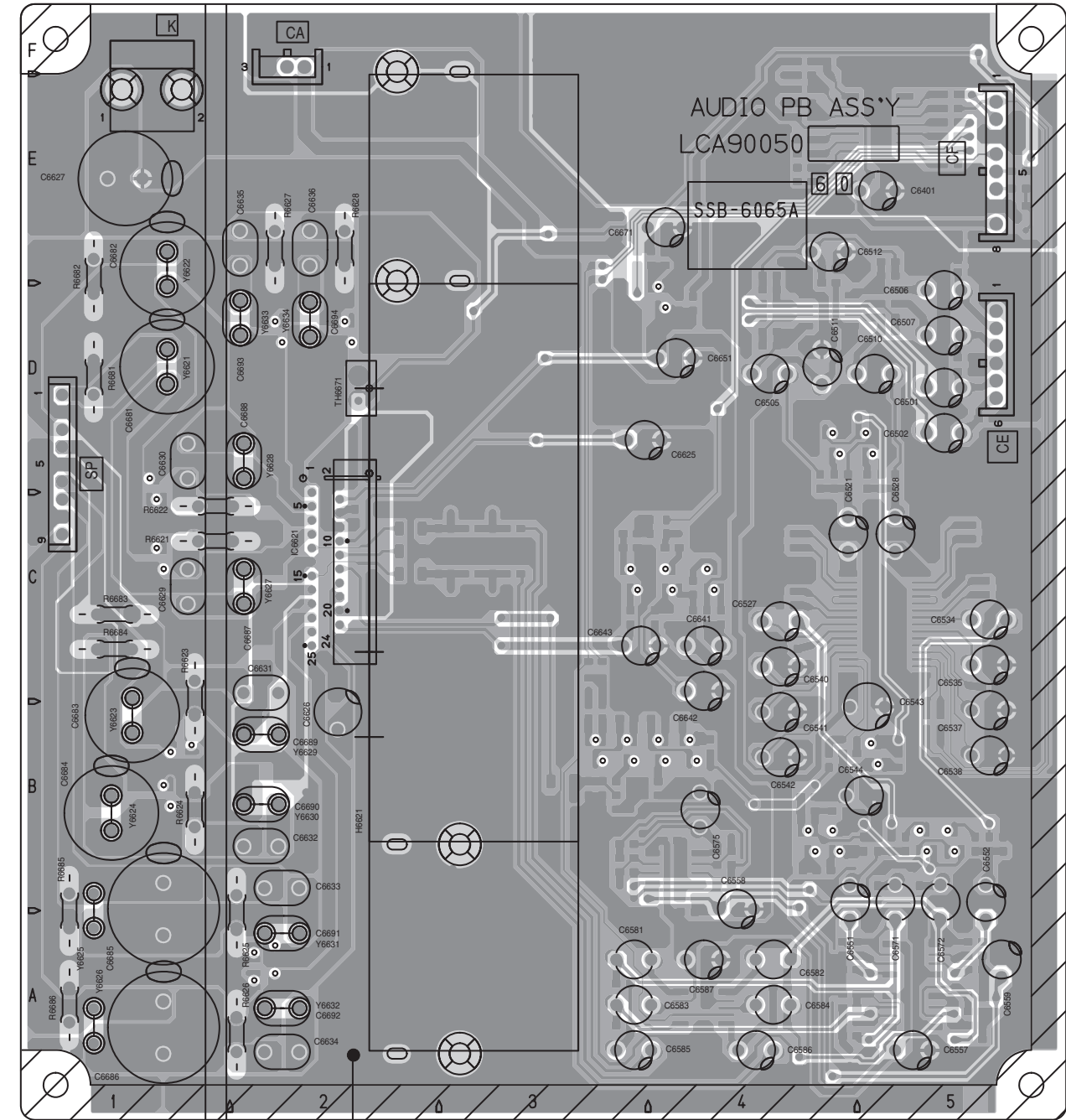
AUDIO PWB PATTERN [SOLDER SIDE]

TOP

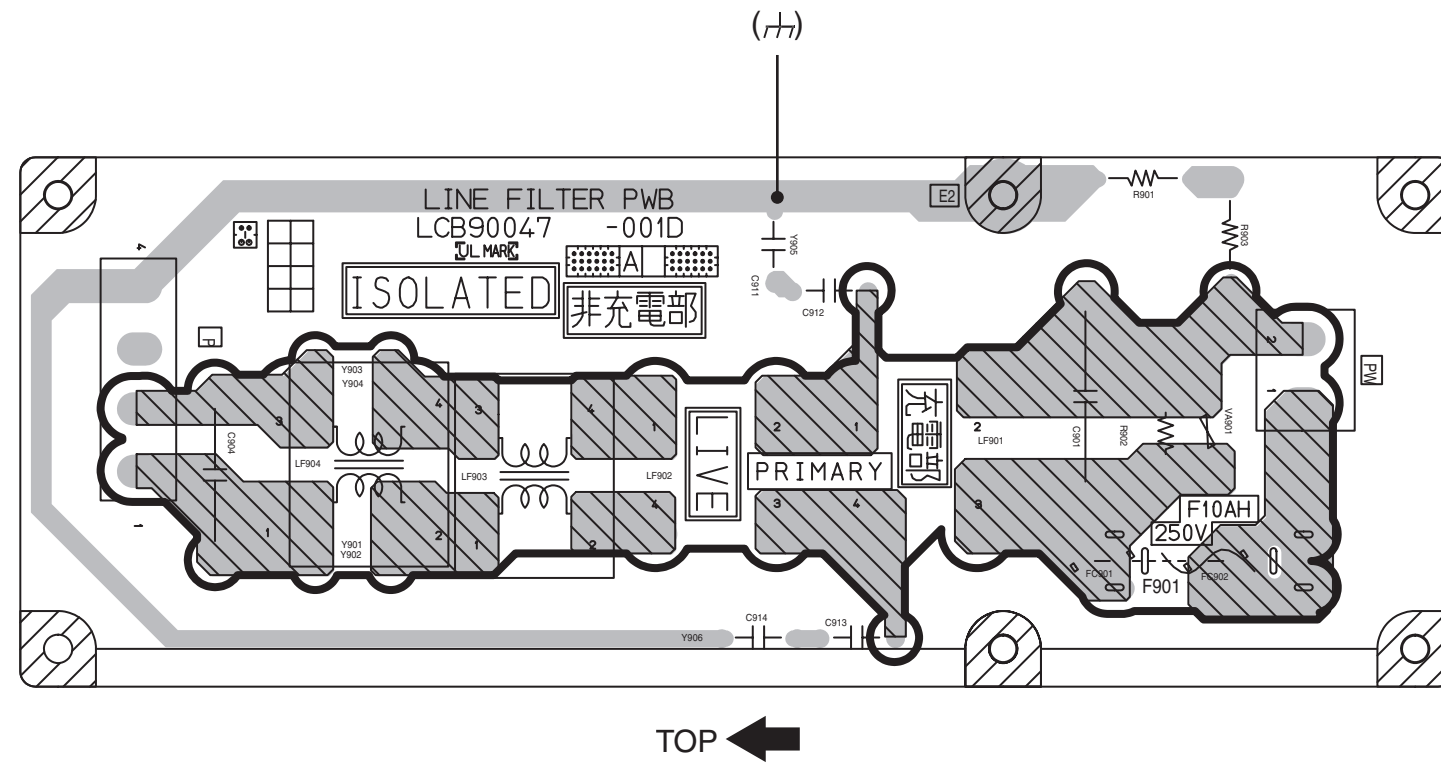


AUDIO PWB PATTERN [PARTS SIDE]

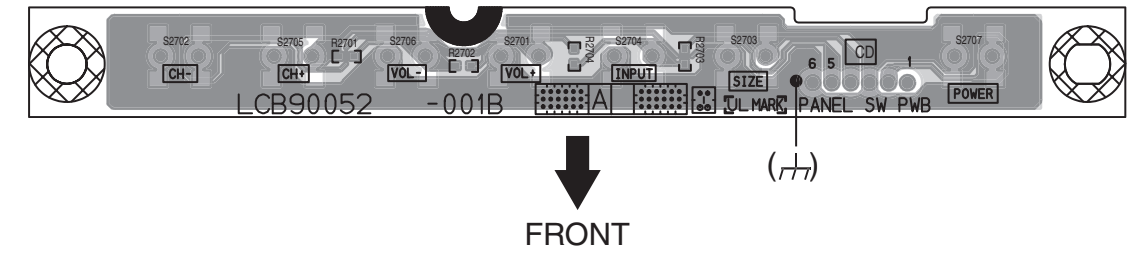
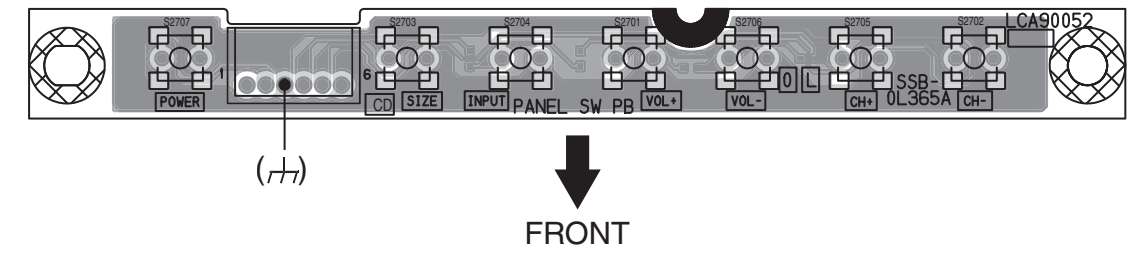
TOP



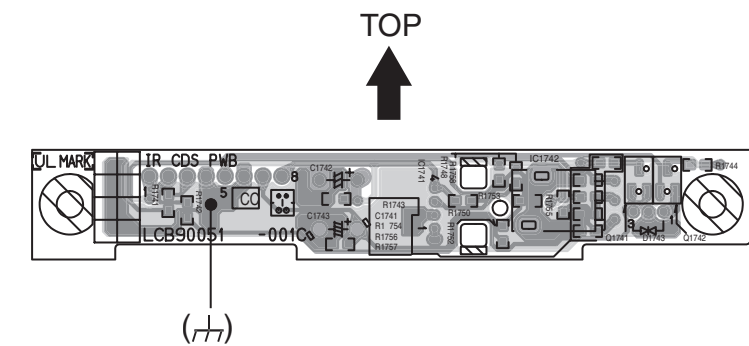
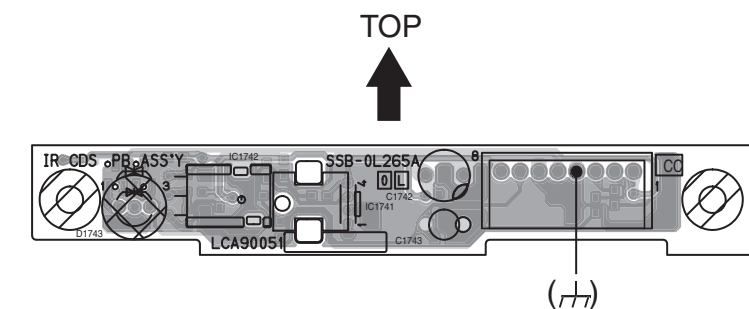
LINE FILTER PWB PATTERN



DISPLAY SWITCH PWB PATTERN [SOLDER SIDE]

**DISPLAY SWITCH PWB PATTERN [PARTS SIDE]**

DISPLAY LED PWB PATTERN [SOLDER SIDE]

**DISPLAY LED PWB PATTERN [PARTS SIDE]**

Notes : Mark * expresses the portion into which a voltage value is changed.

No.52090

PIN NO.	VOLTAGE (V)	PIN NO.	VOLTAGE (V)	PIN NO.	VOLTAGE (V)	PIN NO.	VOLTAGE (V)	PIN NO.	VOLTAGE (V)	PIN NO.	VOLTAGE (V)	PIN NO.	VOLTAGE (V)	PIN NO.	VOLTAGE (V)	PIN NO.	VOLTAGE (V)	PIN NO.	VOLTAGE (V)	PIN NO.	VOLTAGE (V)
34	0	135	0	236	0	53	0	36	0	38	4.0	57	1.7	C	0			Q859			
35	0	136	0	237	0	54	0	37	5.0	39	1.7	58	1.3	B	1.7			E	1.8		
36	0	137	0	238	3.3	55	0	38	3.9	40	3.0	59	1.1.	Q703				C	8.6		
37	0	138	3.3	239	2.5	56	1.4	39	1.7	41	2.0	60	1.1	E	1.5			B	2.4		
38	0	139	2.5	240	0	57	3.5	40	3.4	42	4.6	61	1.0	C	0			Q860			
39	0	140	3.3	241	0	58	0	41	2.1	43	1.7	62	1.2	B	0.9			E	9.2		
40	0	141	0	242	0	59	0.3	42	0	44	2.1	63	0	Q704				C	2.3		
41	2.6	142	0	243	0	60	0	43	1.7	45	5.0	64	0	E	1.7			B	8.6		
42	3.2	143	0	244	0	61	0.3	44	2.1	46	2.0	IC903		C	4.5			Q862			
43	1.3	144	0	245	0	62	0.3	45	4.9	47	3.7	1	3.2	B	2.3			E	0.9		
44	0	145	0	246	0	63	0.3	46	1.9	48	1.7	2	3.2	Q705				C	4.0		
45	0	146	0	247	0	64	0.3	47	3.8			3	3.2	E	5.1			B	1.5		
46	0	147	0	248	1.4	65	0.2	48	1.7	4	0	4	0	C	2.0			Q863			
47	0	148	0	249	0.1	66	0.3	IC702		1	1.2	IC904		B	4.5			E	3.3		
48	3.2	149	0	250	0	67	0.3	1	1.2	3	4.9	1	5.0	Q707				C	4.9		
49	0	150	3.2	251	3.3	68	0.3	2	3.1	4	2.5	2	0	E	2.6			B	4.0		
50	3.2	151	2.5	252	2.6	69	0	3	4.9	5	0	3	0	C	0			Q864			
51	0	152	0	253	0	70	0.3	4	2.5	6	1.8	4	5.0	B	2.0			1	0.3		
52	0.3	153	0	254	0	71	0	5	0	7	2.3	5	3.3	Q753				2	0		
53	0	154	3.2	255	0	72	1.7	6	1.8	8	0	Q101		E	2.6			3	0		
54	3.2	155	0.4	256	0	73	0	7	2.1	9	0	E	5.7	C	9.2			4	0.6		
55	0	156	0			74	0	8	0	10	0	C	9.2	B	3.3			5	0		
56	0	157	3.2	IC464		75	3.4	9	0	11	4.9	Q754		B	6.4			6	0		
57	0	158	2.5	1	0	76	3.2	10	0	12	0	Q102		E	2.0			Q903			
58	0	159	0	2	0	77	0	11	4.8	13	4.9	E	4.2	C	9.2			G	5.0		
59	0	160	0	3	0	78	0	12	0	14	0	C	9.2	B	2.6			S	3.2		
60	3.3	161	0	4	0	79	1.4	13	4.9	15	0	Q755		B	4.9			D	3.2		
61	0	162	0	5	0	80	0.3	14	0	16	4.7	Q103		E	1.5			Q904			
62	2.5	163	3.2	6	0	81	1.5	15	4.6	17	0	E	2.2	C	8.6			G	5.0		
63	3.3	164	0	7	0.4	82	0	16	4.7	18	0	C	0	B	2.1			S	3.2		
64	0	165	0	8	0.5	83	2.1	17	0	19	2.4	Q756		D	3.2			Q	3.2		
65	0	166	3.2	9	0.5	84	0	18	0	20	4.9	E	9.2	E	9.2			QB001			
66	0	167	0	10	0	85	0	19	2.4	21	0	C	2.7	C	2.7			E	0		
67	0	168	0	11	1.3	86	0	20	5.0	22	2.8	B	8.6	C	9.2			C	9.2		
68	0	169	0	12	0	87	0	21	0	23	2.8	Q758		B	3.4			B	4.6		
69	0	170	3.2	13	0	88	1.5	22	3.0	24	3.3	Q105		E	2.3			QB002			
70	0	171	2.5	14	0	89	1.4	23	3.0	25	2.9	E	5.0	C	9.2			E	1.7		
71	3.2	172	0	15	0	90	0	24	3.4	26	0	C	0.2	B	3.0			C	8.6		
72	0	173	0	16	0	91	0	25	2.7	27	3.0	Q759		B	4.4			B	2.4		
73	0	174	0	17	0	92	3.5	26	0	28	1.5	Q106		E	2.2			QB003			
74	3.2	175	0	18	0	93	0	27	3.0	IC803		E	0	C	8.6			E	9.2		
75	0	176	0	19	0	94	0	28	1.6	1	9.2	C	4.7	B	2.8			C	2.2		
76	3.3	177	0	20	3.2	95	1.5	IC703		2	0	B	0.1	Q760				B	8.6		
77	3.3	178	0	IC465		96	1.4	1	1.3	3	5.0	Q107		E	9.2			QB005			
78	0	179	0	1	0	97	2.1	2	2.6	IC901		E	0	C	2.8			E	3.8		
79	0	180	0	2	1.3	98	0	3	1.5	1	3.2	C	0	B	8.6			C	9.2		
80	0	181	3.2	3	0	99	0	4	2.7	2	0	Q762		B	3.0			B	4.5		
81	0	182	2.5	4	1.6	100	0	5	2.8	3	3.2	Q401		E	0.9			QB006			
82	0	183	0	5	3.2	IC501		6	0	4	3.2	E	1.6	C	4.0			E	1.3		
83	0	184	0	IC602		1	0	7	0	5	3.2	C	0	B	1.5			C	8.6		
84	0	185	0	1	3.1	2	5.9	8	0	6	0	B	1.0	Q763				B	1.9		
85	0	186	0	2	0	3	6.2	9	0	7	3.2	Q402		E	3.3			QB007			
86	0	187	0	3	3.2	4	2.9	10	0	8	3.2	E	1.1	C	4.9			E	9.2		
87	0	188	0	4	3.2	5	5.6	11	0	9	1.9	C	8.5	B	4.0			C	1.7		
88	0	189	3.3	5	0	5	5.6	12	0.4	10	0	B	1.6	Q764				B	8.6		
89	0	190	3.3	6	0.3	6	-0.5	13	0.4	11	3.2	Q403		1	0.7			QB009			
90	3.2	191	0	7	0.3	7	-5.6	14	0.5	12	3.2	E	9.1	2	0			E	3.9		
91	2.5	192	0	8	0.3	8	-5.0	15	2.6	13	3.2	C	1.3	3	0			C	9.2		
92	0	193	0	9	0.3	9	3.2	16	9.2	14	3.2	B	8.6	4	0.6			B	4.5		
93	0	194	0	10	0.3	10	0	IC704		15	3.2	Q431		5	0			QB010			
94	0	195	0	11	0.3	11	3.2	1	9.2	16	0	E	2.0	6	0			E	1.3		
95	0	196	0	12	0.3	12	3.3	2	0	17	0	C	0	Q791				C	8.6		
96	0	197	0	13	-5.5	13	-5.5	3	5.1	18	3.3	B	1.4	E	2.1			B	1.9		
97	0	198	0	14	0.3	14	0	19	2.7	19	2.7	Q432		C	9.2			Q	9.2		
98	0	199	0	15	0.3	15	0	20	0	20	0	E	1.4	B	2.7			E	9.2		
99	0	200	0	16	3.3	IC801		1	2.1	21	3.0	C	8.6	Q792				C	1.7		
100	0	201	1.7	17	0.3	2	1.6	3	0.9	22	3.0	B	2.0	E	2.2			B	8.6		
101	3.2	202	0	18	3.5	4	0.1	5	2.0	23	3.2	Q433		C	9.2			QB020			
102	3.3	203	0	19	0	6	5.0	7	2.5	24	3.0	E	9.2	B	2.8			E	3.2		
103	3.2	204	0	20	1.6	8	0	9	0.3	25	3.0	C	1.5	Q793				C	4.7		
104	3.2	205	0	21	0	10	0.7	11	2.3	26	0	B	8.6	E	0			B	3.2		
105	0	206	0	22	1.6	12	5.0	13	4.6	27	3.0	Q434		C	0			QB021			
106	3.3	207	0	23	3.5	14	4.6	15	0	28	3.0	E	1.6	B	3.0			E	3.2		
107	2.5	208	3.3	24	0	16	0	17	0	29	3.2	C	0	Q801				C	4.6		
108	1.6	209	3.3	25	3.5	18	0	19	0	30	3.0	B	1.3	E	2.9			B	3.2		
109	0	210	0	26	0	20	2.4	21	1.4	31	3.0	Q501		C	0			QB101			
110	3.2	211	3.3	27	0	22	1.8	23	1.8	32	0	E	1.1	B	2.2			E	3.0		
111	0	212	0	28	0	24	0	25	2.5	33	3.2	C	0	Q802				C	9.2		
112	0	213	0	29	0	26	2.5	27	2.5	34	0	B	0.3	E	2.3			B	3.6		
113	0	214	0	30	0	28	0	29	0	35	0	Q502		C	0			QB102			
114	0	215	0	31	0	30	0	31	0	36	2.8	E	1.1	B	1.7			E	2.6		
115	0	216	0	32	0	32	5.0	33	2.2	37	0.5	C	0	Q853				C	0		
116	0	217	0	33	0	34	2.4	34	2.4	38	0.4	B	0.3	E	2.6			B	1.9		
117	0	218	0	34	0	35	0	35	0	39	0.4	Q503		C	9.2			Q	9.2		
118	0	219	3.3	35	0	36	0	40	0.6	40	0.6	E	1.1	B	3.						

VOLTAGE CHART [DISPLAY UNIT]

Notes : Mark * expresses the portion into which a voltage value is changed.

<DISPLAY INTERFACE PWB>	
PIN NO.	VOLTAGE (V)
IC301	
1	3.3
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	3.3
28	0
29	1.5
30	0
31	0
32	0
33	0
34	3.3
35	3.3
36	3.3
37	3.3
38	3.3
39	3.2
40	3.3
41	3.3
42	3.3
43	0
44	0
45	3.3
46	3.3
47	3.3
48	3.3
49	3.3
50	3.3
51	3.2
52	0
53	3.2
54	0
55	0
56	3.3
57	3.3
58	3.2
59	0
60	3.3
61	3.3
62	3.3
63	3.2
64	0
65	0
66	0
67	0.9
68	3.3
69	0
70	1.4
71	0
72	0
73	0
74	0
75	0
76	0
77	0
78	0
79	1.7
80	0
81	1.7
82	1.7
83	3.2
84	3.2
85	3.3
86	0
87	0.5
88	2.0
89	0.9
90	2.3
91	0
92	2.5
93	0.8
94	0.9
95	2.5
96	0.7
97	0.7
98	0.8
99	0.9
100	0.4

PIN NO.	VOLTAGE (V)
101	0.8
102	0.8
103	3.3
104	0
105	0
106	2.8
107	0.5
108	0.4
109	0.4
110	0.6
111	0.9
112	2.4
113	0.9
114	0
115	3.3
116	0.8
117	0.1
118	1.7
119	1.7
120	1.6
121	2.0
122	0.5
123	0.5
124	1.6
125	0
126	0
127	3.3
128	0.9
129	0
130	1.4
131	0
132	0
133	2.1
134	0.3
135	0.5
136	0.3
137	0
138	0
139	3.3
140	0.9
141	0
142	1.4
143	0
144	1.9
145	2.1
146	0.7
147	2.0
148	2.1
149	0
150	0
151	3.3
152	3.3
153	0
154	3.2
155	0
156	0
157	0
158	0.5
159	0
160	0
161	3.3
162	0
163	0
164	0
165	0
166	0
167	0
168	0
169	0
170	0
171	0
172	3.3
173	3.3
174	0
175	2.7
176	2.7
177	2.2
178	1.6
179	0
180	3.3
181	2.1
182	0
183	2.7
184	2.7
185	0
186	1.6
187	1.3
188	0
189	3.3
190	1.6
191	2.1
192	2.7
193	2.7
194	0
195	0
196	0
197	3.3
198	3.3
199	2.9
200	3.0
201	0

PIN NO.	VOLTAGE (V)
202	0
203	0
204	1.7
205	1.7
206	3.3
207	3.2
208	0
IC401	
1	0
2	3.3
3	2.5
4	0.5
5	2.0
6	0.9
7	2.3
8	1.0
9	2.5
10	0.7
11	0.9
12	0
13	0
14	0
15	2.5
16	0.7
17	0.7
18	0.8
19	0
20	0.4
21	0
22	3.3
23	2.5
24	0.7
25	0.8
26	0
27	0
28	2.8
29	0.5
30	0.4
31	0.4
32	0
33	0.6
34	0.8
35	2.4
36	0.8
37	0
38	0
39	3.2
40	0
41	2.5
42	3.3
43	1.6
44	0
45	0
46	0
47	0
48	2.9
49	0
50	2.9
51	0
52	1.1
53	0
54	3.2
55	0
56	3.2
57	0
58	0
59	0
60	3.3
61	0
62	2.5
63	0
64	0
65	0.5
66	0.4
67	0.4
68	0
69	1.8
70	1.7
71	0.5
72	0.5
73	0
74	3.3
75	2.5
76	0
77	0
78	0
79	0
80	0.9
81	0.1
82	0
83	2.1
84	0.7
85	0.7
86	1.5
87	0
88	0
89	0
90	3.3
91	0
92	0
93	0.4

PIN NO.	VOLTAGE (V)
94	0.5
95	0.7
96	1.8
97	0.6
98	0
99	1.4
100	1.5
101	0
102	0
103	3.2
104	3.2
105	0
106	3.3
107	2.5
108	1.5
109	0
110	0
111	0
112	0
113	0
114	0
115	0
116	0
117	0
118	0
119	0
120	0
121	0
122	0
123	3.3
124	2.5
125	0
126	0
127	0
128	0
129	0
130	0
131	0.1
132	0
133	0
134	0
135	0
136	0
137	0
138	3.2
139	2.5
140	0
141	0.1
142	0.1
143	0
144	0
145	0.1
146	0.1
147	0.1
148	0.1
149	0
150	3.3
151	2.5
152	0
153	0
154	3.2
155	-0.7
156	0
157	3.3
158	2.5
159	0
160	0
161	0
162	0
163	0
164	2.1
165	2.0
166	0.7
167	2.1
168	1.9
169	0
170	3.3
171	2.5
172	1.5
173	1.4
174	0
175	0.9
176	0
177	0.3
178	0.5
179	0.4
180	0
181	3.3
182	2.5
183	2.1
184	1.6
185	1.4
186	1.4
187	0
188	0.9
189	0
190	1.6
191	0
192	0.5
193	0.5
194	2.0

PIN NO.	VOLTAGE (V)
195	1.6
196	1.7
197	1.6
198	0.1
199	0.8
200	0
201	1.5
202	0
203	3.1
204	3.3
205	0
206	3.3
207	2.5
208	0
209	0
210	0.9
211	2.4
212	0.8
213	0.6
214	0
215	0.4
216	0.5
217	2.8
218	0
219	0.1
220	0
221	3.3
222	2.5
223	0.8
224	0.8
225	0.4
226	0.9
227	0.8
228	0
229	0.7
230	0
231	0.6
232	2.6
233	0
234	0
235	0.9
236	0.8
237	0
238	3.3
239	2.5
240	2.5
241	0.9
242	2.3
243	2.9
244	2.0
245	0.5
246	0
247	3.2
248	1.6
249	-0.5
250	0
251	0
252	2.5
253	0
254	0
255	0
256	0
IC405	
1	3.3
2	0
3	0
4	3.3
5	2.5
IC501	
1	3.3
2	3.3
3	3.3
4	0
5	0
6	3.3
7	0
8	3.3
9	3.3
10	0.9
11	0.7
12	0.4
13	0.9
14	0.8
15	0.7
16	0.7
17	2.6
18	3.3
19	0
20	0.9
21	0.7
22	2.5
23	0.9
24	2.3
25	0.9
26	2.0
27	0.5
28	0
29	3.3
30	0.9
31	2.4
32	0.8

PIN NO.	VOLTAGE (V)
33	0.6
34	0.4
35	0.4
36	0.5
37	2.8
38	3.3
39	0
40	0.2
41	0
42	0
43	3.3
44	1.6
45	0
46	2.3
47	3.3
48	3.2
49	0
50	0
51	0
52	0
53	0
54	0
55	0
56	0
57	3.3
58	0
59	0
60	0
61	0
62	0
63	0
64	0
65	0
66	0
67	3.3
68	0
69	0
70	0
71	0
72	0
73	0
74	0
75	0
76	0
77	0
78	3.2
79	0
80	3.0
81	3.0
82	3.3
83	0
84	3.2
85	3.0
86	3.0
87	0
88	3.3
89	0
90	3.0
91	3.0
92	0
93	3.0
94	3.0
95	3.3
96	3.0
97	3.3
98	0
99	0.9
100	0.1
IC601	
1	2.1
2	0.7
3	0.5
4	0.5
5	0
6	0.5
7	0.4
8	0.4
9	1.8
10	1.6
11	1.4
12	0
13	0
14	1.5
15	0.7
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0.9
24	2.3
25	0.9
26	2.0
27	0.5
28	0
29	3.3
30	0.9
31	2.4
32	0.8

PIN NO.	VOLTAGE (V)
28	1.1
29	1.4
30	3.3
31	1.1
32	1.4
33	1.2
34	1.3
35	0
36	1.0
37	1.4
38	1.2
39	1.3
40	3.3
41	1.2
42	1.2
43	0
44	1.2
45	1.2
46	1.1
47	1.3
48	3.3
49	1.1
50	1.3
51	0
52	0
53	3.3
54	3.2
55	3.3
56	0
57	0
58	0
59	0
60	0
61	0
62	0
63	0
64	0
65	0
66	0
67	3.3
68	0
69	3.3
70	3.3
71	0
72	0
73	0
74	0
75	0
76	0
77	0
78	0
79	0
80	0
81	0
82	3.3
83	0
84	0
85	1.4
86	1.4
87	0
88	0.4
89	0.5
90	0.7
91	1.8
92	0.6
93	0.6
94	1.5
95	0
96	0
97	3.3
98	0
99	0.9
100	0.1
IC602	
1	1.5
2	1.1
3	0
4	0
5	0
6	0
7	0
8	3.2
IC603	
1	1.6
2	1.6
3	0
4	1.5
5	3.3
IC801	
1	5.0
2	0
3	3.3
IC802	
1	12.0
2	0
3	5.2
IC803	
1	0
2	8.4
3	8.5
4	4.9

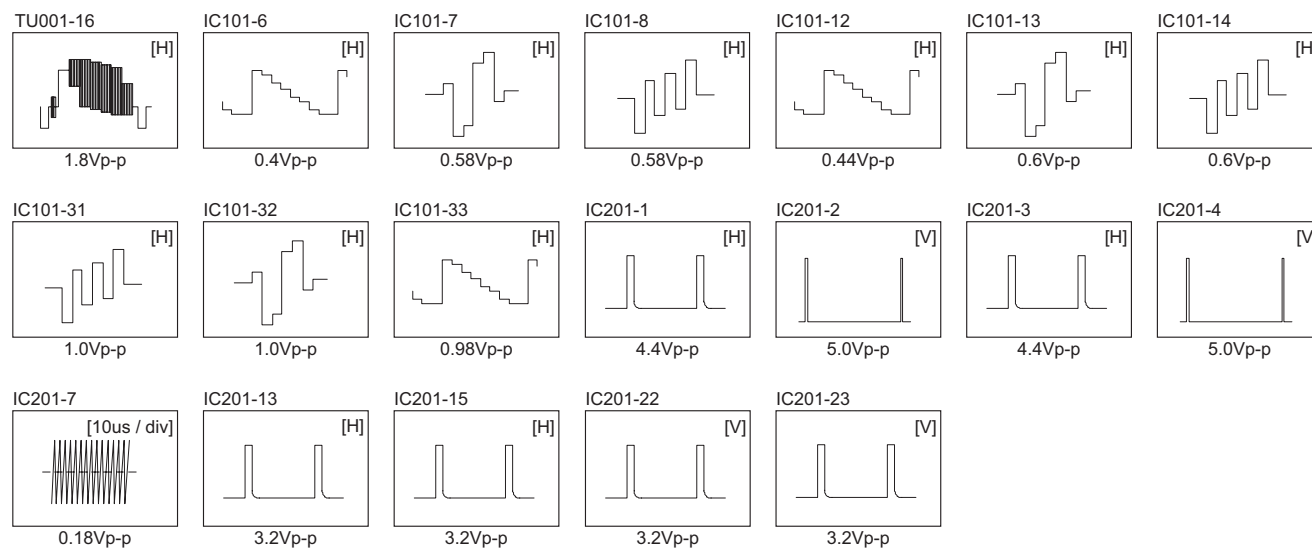
WAVEFORMS

[RECEIVER UNIT]

- MAIN PWB -

(SHEET 1)

(SHEET 2)

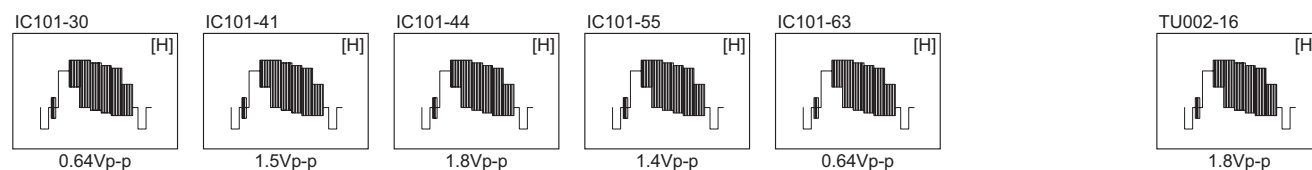


- AV SW PWB -

(SHEET 5)

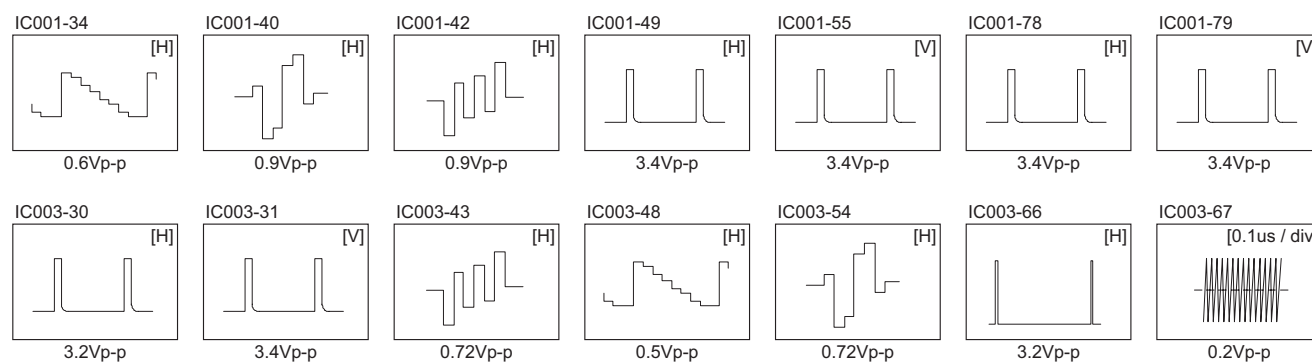
- SUB TUNER -

(SHEET 7)

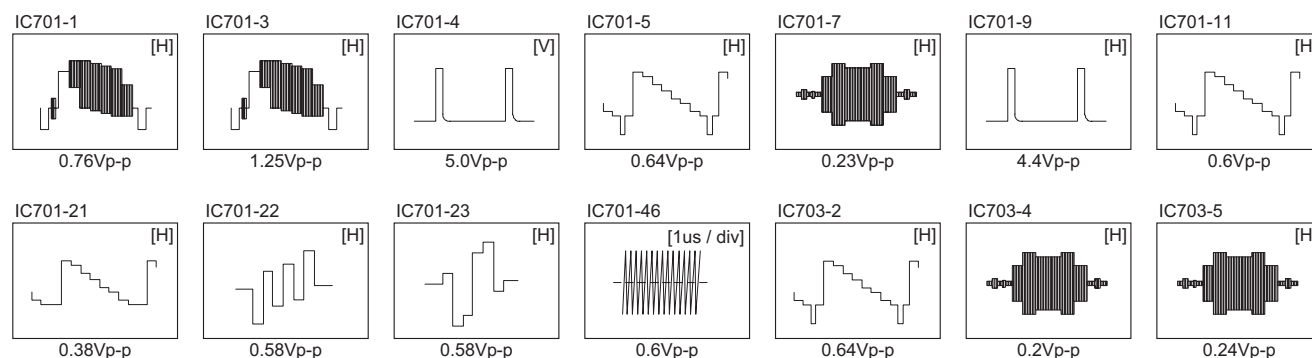


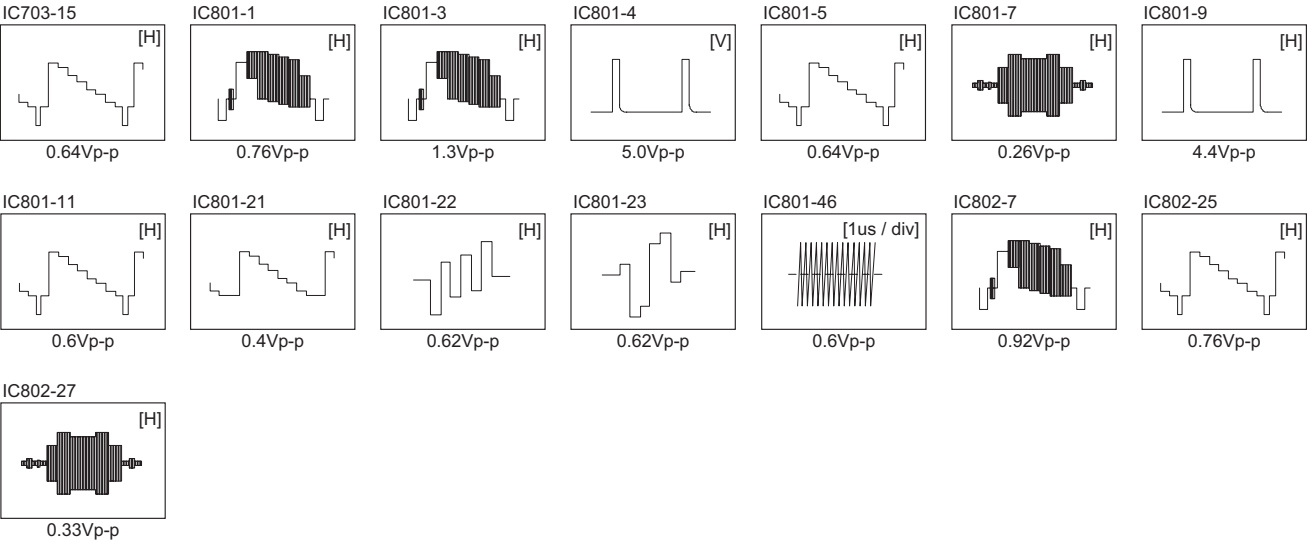
- DIST PWB -

(SHEET 9)



(SHEET 13)

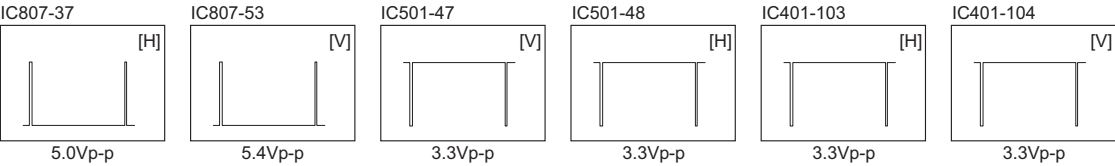




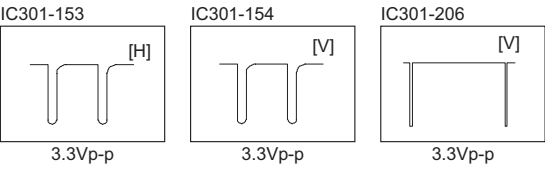
[DISPLAY UNIT]
- DISPLAY INTERFACE PWB -
(SHEET 22)

(SHEET 23)

(SHEET 24)



(SHEET 25)



- PDP POWER PWB -
(SHEET 32)

